

10/713,522

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	pyridylazoquinolinol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 14:13
L2	4	l1 and gelatin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 14:17
L3	2	("6869646").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/09 14:18
L4	0	("(magentaadjdye\$1)samegelatinsa mepolystyreneadj(microsphereorbe ad\$1)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/09 14:19
L5	0	(magenta adj dye\$1) same gelatin same polystyrene adj (microsphere or bead\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 14:21
L6	0	(magenta adj dye\$1) same gelatin same microsphere	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 14:21
L7	97	(magenta adj dye\$1) same gelatin same bead\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 15:01
L8	60	l7 and composition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 14:21

L9	251	(magenta adj dye\$1) same (microsphere or bead\$1 or polystyrene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 15:01
L10	6	I9 and microsphere	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 15:02
L11	9	I9 and microsphere\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 15:02
L12	188	I9 and gelatin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 15:02
L13	24	I12 and nickel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 15:02
L14	188	I12 and coat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 15:03
L15	5	I14 and microarray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/09 15:03

## Connecting via Winsock to STN

10/713,522

Welcome to STN International! Enter x:x

~~196 BUD 02058 TASK 1640~~

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1			Web Page URLs for STN Seminar Schedule - N. America
NEWS	2			"Ask CAS" for self-help around the clock
NEWS	3	JUL	20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS	4	AUG	11	STN AnaVist workshops to be held in North America
NEWS	5	AUG	30	CA/CAPlus -Increased access to 19th century research documents
NEWS	6	AUG	30	CASREACT - Enhanced with displayable reaction conditions
NEWS	7	SEP	09	ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS	8	OCT	03	MATHDI removed from STN
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NEWS	10	OCT	06	STN AnaVist workshops to be held in North America
NEWS	11	OCT	13	New CAS Information Use Policies Effective October 17, 2005
NEWS	12	OCT	17	STN(R) AnaVist(TM), Version 1.01, allows the export/download of CAPlus documents for use in third-party analysis and visualization tools
NEWS	13	OCT	27	Free KWIC format extended in full-text databases
NEWS	14	OCT	27	DIOGENES content streamlined
NEWS	15	OCT	27	EPFULL enhanced with additional content
NEWS	EXPRESS			JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS	HOURS			STN Operating Hours Plus Help Desk Availability
NEWS	INTER			General Internet Information
NEWS	LOGIN			Welcome Banner and News Items
NEWS	PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS	WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:09:32 ON 09 NOV 2005

 $\Rightarrow$ 

## Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE  
Do you want to switch to the Registry File?

Choice (Y/n):

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Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:09:43 ON 09 NOV 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 NOV 2005 HIGHEST RN 866913-62-4  
DICTIONARY FILE UPDATES: 7 NOV 2005 HIGHEST RN 866913-62-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

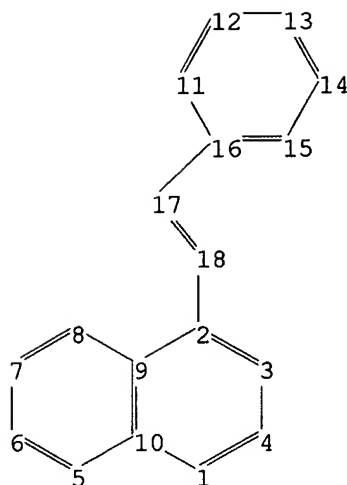
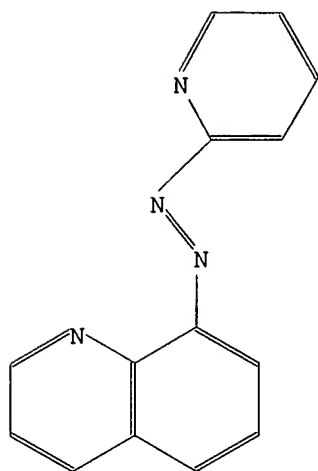
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10713522a.str



chain nodes :

17 18

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

chain bonds :

2-18 16-17 17-18

ring bonds :

1-10 1-4 2-3 2-9 3-4 5-6 5-10 6-7 7-8 8-9 9-10 11-12 11-16 12-13  
13-14 14-15 15-16

exact/norm bonds :

2-18 16-17 17-18

normalized bonds :

1-10 1-4 2-3 2-9 3-4 5-6 5-10 6-7 7-8 8-9 9-10 11-12 11-16 12-13  
13-14 14-15 15-16

isolated ring systems :

containing 1 : 11 :

Match level :

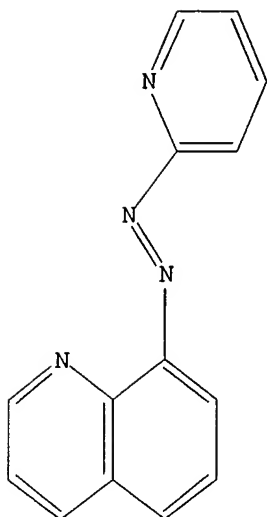
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 11:09:58 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 12 TO ITERATE

100.0% PROCESSED 12 ITERATIONS 3 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 33 TO 447  
PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 11:10:06 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 261 TO ITERATE

100.0% PROCESSED 261 ITERATIONS 47 ANSWERS  
SEARCH TIME: 00.00.01

L3 47 SEA SSS FUL L1

=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	161.33	161.54

FILE 'CAPLUS' ENTERED AT 11:10:12 ON 09 NOV 2005  
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FILE COVERS 1907 - 9 Nov 2005 VOL 143 ISS 20  
FILE LAST UPDATED: 8 Nov 2005 (20051108/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L4 9 L3

=> s l4 and coat?

1043096 COAT?

L5 1 L4 AND COAT?

=> s l4 and gelatin

66333 GELATIN

24148 GELATINS

74080 GELATIN

(GELATIN OR GELATINS)

L6 3 L4 AND GELATIN

=> s l4 and micro

146734 MICRO

265 MICROS

146993 MICRO

(MICRO OR MICROS)

L7 0 L4 AND MICRO

=> s l4 and micro?

2282768 MICRO?

L8 0 L4 AND MICRO?

=> s l4 and nickel

589543 NICKEL

195 NICKELS

589570 NICKEL

(NICKEL OR NICKELS)

L9 9 L4 AND NICKEL

=> dup rem l5 l6

PROCESSING COMPLETED FOR L5

PROCESSING COMPLETED FOR L6

L10 3 DUP REM L5 L6 (1 DUPLICATE REMOVED)

ANSWERS '1-3' FROM FILE CAPLUS

=> s l9 not l10

L11 1 S L10

L12 2 S L10

L13 6 L9 NOT (L11 OR L12)

=> d l10 ibib abs hitstr tot

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 1984:94464 CAPLUS

DOCUMENT NUMBER: 100:94464

TITLE: Photographic recording material employing a





complexes **88606-16-0D**, nickel complexes **88606-17-1D**,  
 nickel complexes **88606-18-2D**, nickel complexes  
**88606-19-3D**, nickel complexes **88606-20-6D**, nickel  
 complexes **88606-21-7D**, nickel complexes **88606-22-8D**,  
 nickel complexes **88623-67-0D**, nickel complexes

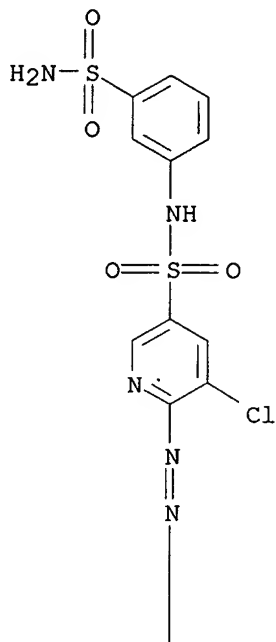
RL: USES (Uses)

(photog. transfer image from, characteristics of)

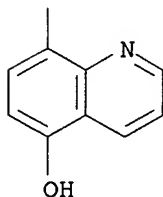
RN 88606-14-8 CAPLUS

CN 3-Pyridinesulfonamide, N-[3-(aminosulfonyl)phenyl]-5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)

PAGE 1-A

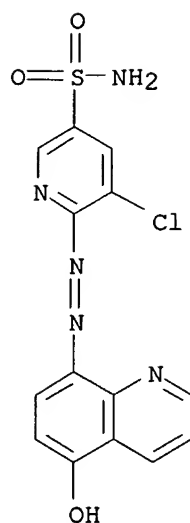


PAGE 2-A



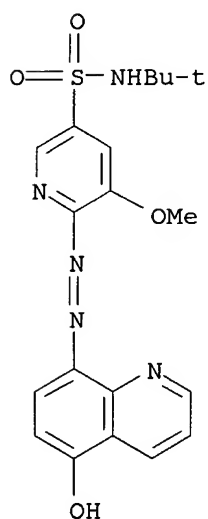
RN 88606-15-9 CAPLUS

CN 3-Pyridinesulfonamide, 5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]- (9CI)  
 (CA INDEX NAME)



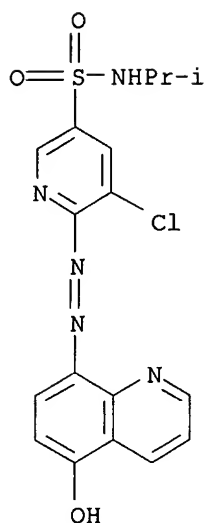
RN 88606-16-0 CAPLUS

CN 3-Pyridinesulfonamide, N-(1,1-dimethylethyl)-6-[(5-hydroxy-8-quinolinyl)azo]-5-methoxy- (9CI) (CA INDEX NAME)



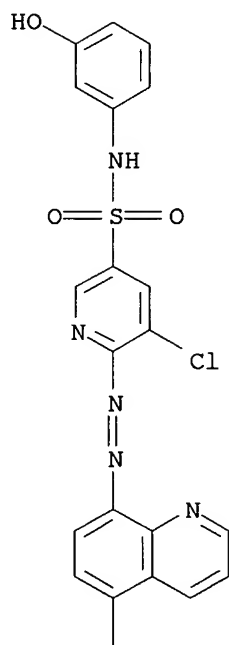
RN 88606-17-1 CAPLUS

CN 3-Pyridinesulfonamide, 5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



RN 88606-18-2 CAPLUS  
 CN 3-Pyridinesulfonamide, 5-chloro-N-(3-hydroxyphenyl)-6-[(5-hydroxy-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)

PAGE 1-A

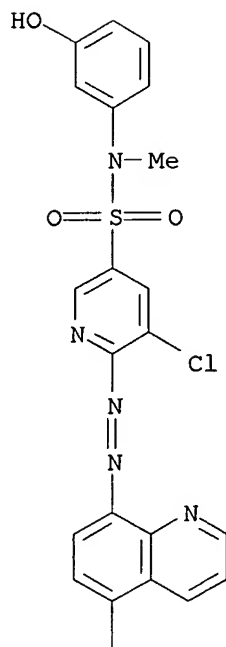


PAGE 2-A



RN 88606-19-3 CAPLUS  
 CN 3-Pyridinesulfonamide, 5-chloro-N-(3-hydroxyphenyl)-6-[(5-hydroxy-8-quinolinyl)azo]-N-methyl- (9CI) (CA INDEX NAME)

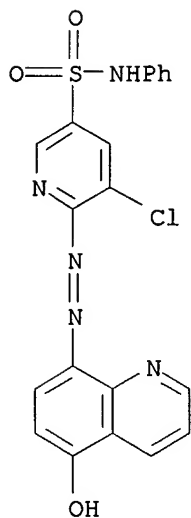
PAGE 1-A



PAGE 2-A

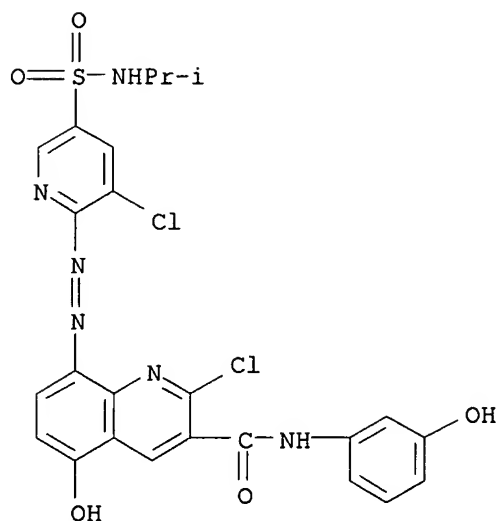


RN 88606-20-6 CAPLUS  
CN 3-Pyridinesulfonamide, 5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]-N-phenyl-  
(9CI) (CA INDEX NAME)



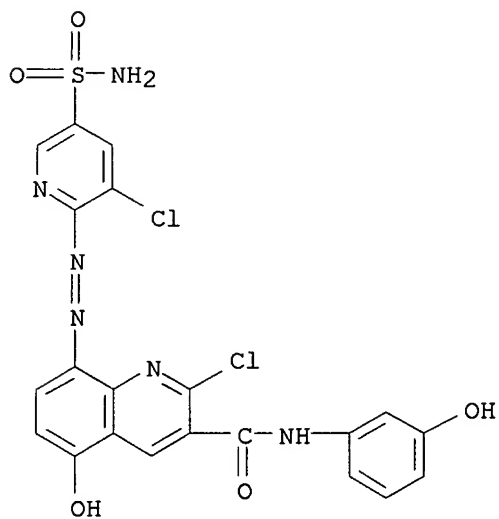
RN 88606-21-7 CAPLUS  
CN 3-Quinolinecarboxamide, 2-chloro-8-[[3-chloro-5-[[[1-

methylethyl) amino]sulfonyl]-2-pyridinyl]azo]-5-hydroxy-N-(3-hydroxyphenyl)-  
(9CI) (CA INDEX NAME)



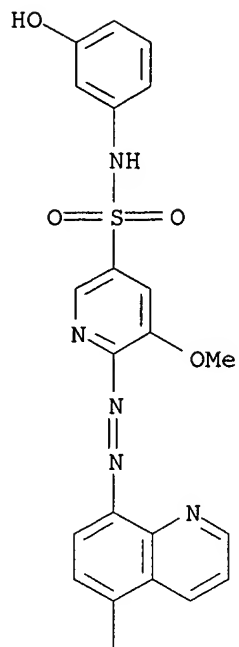
RN 88606-22-8 CAPLUS

CN 3-Quinolinecarboxamide, 8-[[5-(aminosulfonyl)-3-chloro-2-pyridinyl]azo]-2-chloro-5-hydroxy-N-(3-hydroxyphenyl)- (9CI) (CA INDEX NAME)



RN 88623-67-0 CAPLUS

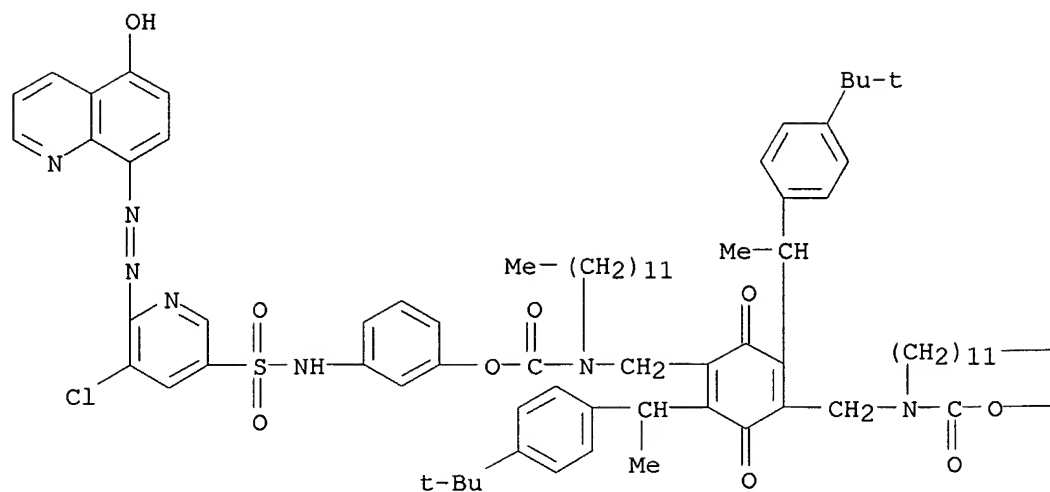
CN 3-Pyridinesulfonamide, N-(3-hydroxyphenyl)-6-[(5-hydroxy-8-quinolinyl)azo]-5-methoxy- (9CI) (CA INDEX NAME)

IT **88606-23-9P**RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and photog. applications of)

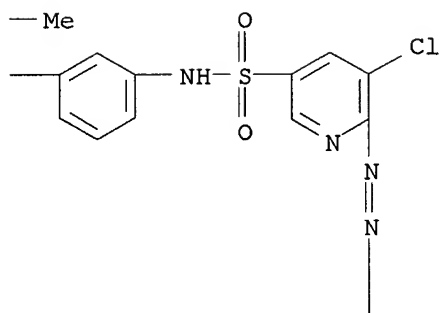
RN 88606-23-9 CAPLUS

CN Carbamic acid, [[2,5-bis[1-[4-(1,1-dimethylethyl)phenyl]ethyl]-3,6-dioxo-1,4-cyclohexadiene-1,4-diyl]bis(methylene)]bis[dodecyl-, bis[3-[[[5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]-3-pyridinyl]sulfonyl]amino]phenyl] ester (9CI) (CA INDEX NAME)

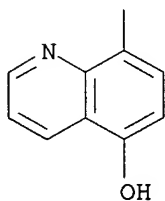
PAGE 1-A



PAGE 1-B



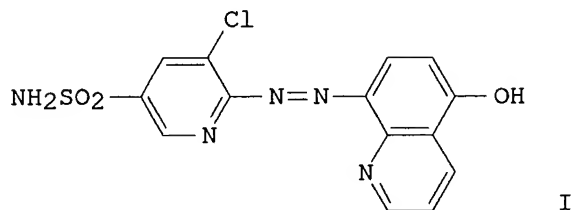
PAGE 2-B



ACCESSION NUMBER: 1984:129811 CAPLUS  
 DOCUMENT NUMBER: 100:129811  
 TITLE: Photographic products and processes employing  
 nondiffusible magenta dye-releasing compounds and  
 their precursors  
 INVENTOR(S): Evans, Steven; Elwood, James K.  
 PATENT ASSIGNEE(S): Eastman Kodak Co., USA  
 SOURCE: U.S., 26 pp. Cont.-in-part of U.S. Ser. No. 380,843,  
 abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4420550	A	19831213	US 1983-458499	19830117
CA 1196912	A1	19851119	CA 1982-410786	19820903
JP 58209741	A2	19831206	JP 1983-87840	19830520
US 4436799	A	19840313	US 1983-504631	19830615
US 4495099	A	19850122	US 1983-504692	19830615
PRIORITY APPLN. INFO.:			US 1982-380843	A2 19820521
			US 1983-458499	A3 19830117

GI

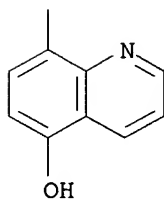
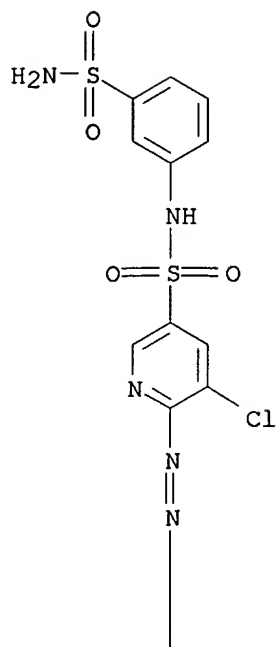


AB A photog. dye image-providing compound comprising a nondiffusible compound capable of releasing  $\geq 1$  diffusible compound capable of releasing  $\geq 1$  nondiffusible magenta dye moiety 8-(2-heterocyclazo)-5-quinolinol is described. Thus, a receiver comprised of a poly(ethylene terephthalate) support containing a Ni sulfate (0.58 g/m<sup>2</sup>)-**gelatin** (1.08 g/m<sup>2</sup>) metal complexing layer and a poly(4-vinylpyridine)-**gelatin** (each at 2.15 g/m<sup>2</sup>) mordant layer was immersed in an alkaline solution of I, washed, placed in a pH 7 buffer, and dried to show a spectrum of a Ni-complexed mordanted dye with  $\lambda_{1/2}$  (mean of the wavelength limits of the absorption envelope at 1/2 the maximum d.) of 545 nm and a fading of 0 %, after 10 days of irradiation by a high intensity 6000 W Xe lamp at 38° and under low humidity.

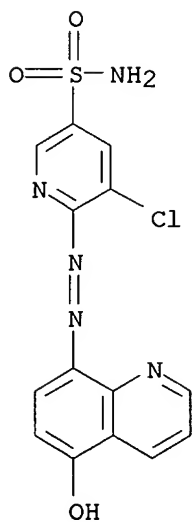
IT **88606-14-8D**, nickel complexes **88606-15-9D**, nickel complexes **88606-16-0D**, nickel complexes **88606-17-1D**, nickel complexes **88606-18-2D**, nickel complexes **88606-19-3D**, nickel complexes **88606-20-6D**, nickel complexes **88606-21-7D**, nickel complexes **88606-22-8D**, nickel complexes **88623-67-0D**, nickel complexes  
 RL: USES (Uses)  
 (photog. receiver containing mordanted, spectral and diffusion characteristics of)

RN 88606-14-8 CAPLUS  
 CN 3-Pyridinesulfonamide, N-[3-(aminosulfonyl)phenyl]-5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)



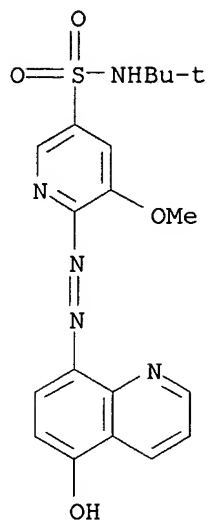


RN 88606-15-9 CAPLUS  
 CN 3-Pyridinesulfonamide, 5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]- (9CI)  
 (CA INDEX NAME)



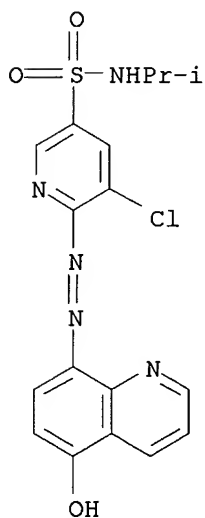
RN 88606-16-0 CAPLUS

CN 3-Pyridinesulfonamide, N-(1,1-dimethylethyl)-6-[(5-hydroxy-8-quinolinyl)azo]-5-methoxy- (9CI) (CA INDEX NAME)



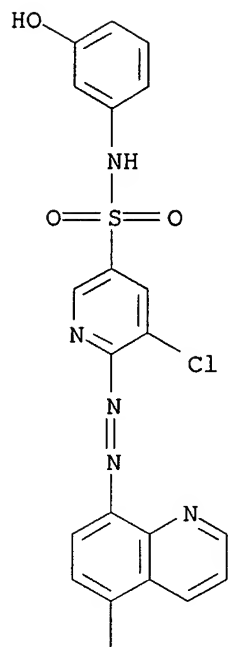
RN 88606-17-1 CAPLUS

CN 3-Pyridinesulfonamide, 5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]-N-(1-methylethyl)- (9CI) (CA INDEX NAME)

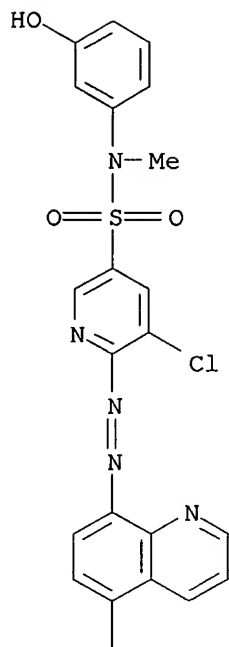


RN 88606-18-2 CAPLUS

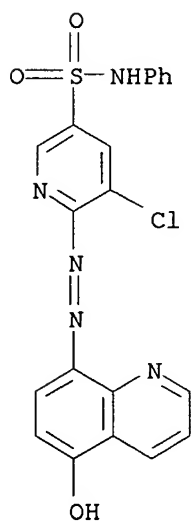
CN 3-Pyridinesulfonamide, 5-chloro-N-(3-hydroxyphenyl)-6-[(5-hydroxy-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)



RN 88606-19-3 CAPLUS  
 CN 3-Pyridinesulfonamide, 5-chloro-N-(3-hydroxyphenyl)-6-[(5-hydroxy-8-quinolinyl)azo]-N-methyl- (9CI) (CA INDEX NAME)

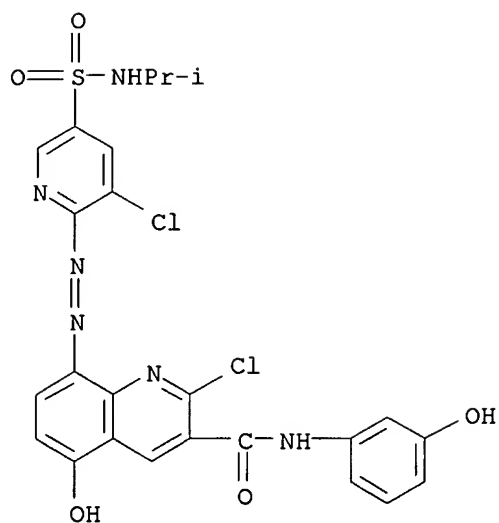


RN 88606-20-6 CAPLUS  
 CN 3-Pyridinesulfonamide, 5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]-N-phenyl-  
 (9CI) (CA INDEX NAME)



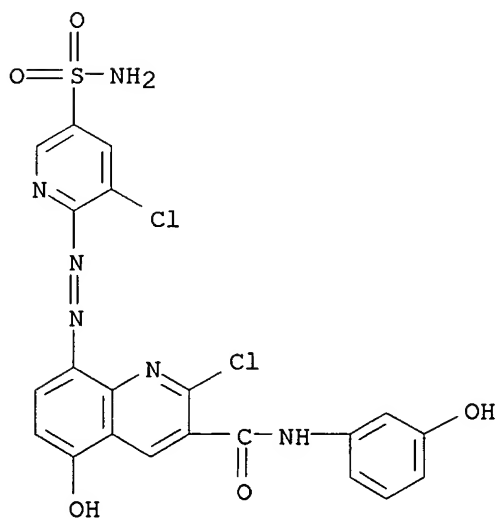
RN 88606-21-7 CAPLUS  
 CN 3-Quinolinecarboxamide, 2-chloro-8-[[3-chloro-5-[(1-methylethyl)amino]sulfonyl]-2-pyridinyl]azo]-5-hydroxy-N-(3-hydroxyphenyl)-

(9CI) (CA INDEX NAME)



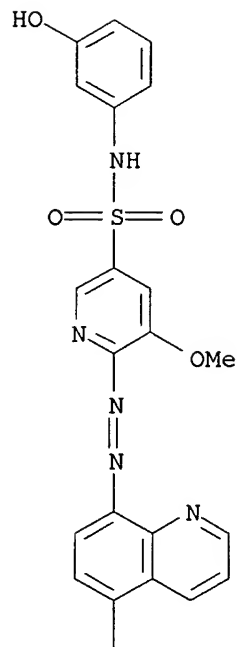
RN 88606-22-8 CAPLUS

CN 3-Quinolinecarboxamide, 8-[[5-(aminosulfonyl)-3-chloro-2-pyridinyl]azo]-2-chloro-5-hydroxy-N-(3-hydroxyphenyl)- (9CI) (CA INDEX NAME)



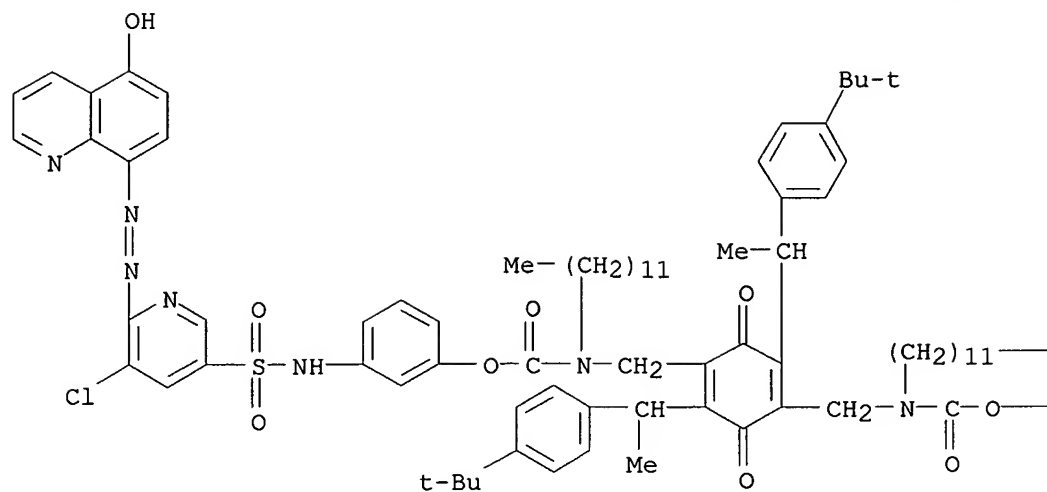
RN 88623-67-0 CAPLUS

CN 3-Pyridinesulfonamide, N-(3-hydroxyphenyl)-6-[(5-hydroxy-8-quinolinyl)azo]-5-methoxy- (9CI) (CA INDEX NAME)

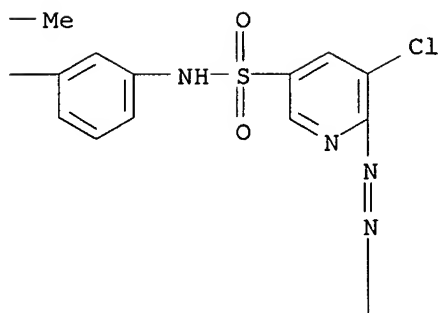


IT **88606-23-9P**  
 RL: PREP (Preparation)  
 (preparation of, for photog. applications)  
 RN 88606-23-9 CAPLUS  
 CN Carbamic acid, [[2,5-bis[1-[4-(1,1-dimethylethyl)phenyl]ethyl]-3,6-dioxo-1,4-cyclohexadiene-1,4-diyl]bis(methylene)]bis[dodecyl-, bis[3-[[[5-chloro-6-[(5-hydroxy-8-quinolinyl)azo]-3-pyridinyl]sulfonyl]amino]phenyl] ester (9CI) (CA INDEX NAME)

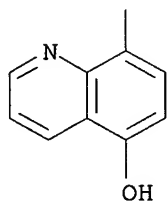
PAGE 1-A



PAGE 1-B

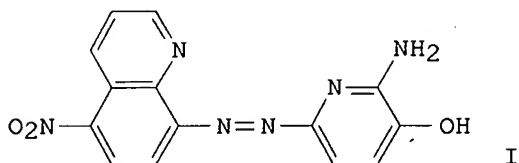


PAGE 2-B



ACCESSION NUMBER: 1984:94463 CAPLUS  
 DOCUMENT NUMBER: 100:94463  
 TITLE: Photographic recording material employing a nondiffusible cyan dye-releasing compound or its precursor  
 INVENTOR(S): Reczek, James A.; Elwood, James K.  
 PATENT ASSIGNEE(S): Eastman Kodak Co., USA  
 SOURCE: Eur. Pat. Appl., 44 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 95127	A2	19831130	EP 1983-104850	19830517
EP 95127	A3	19840425		
EP 95127	B1	19860806		
R: DE, FR, GB, NL				
CA 1202961	A1	19860408	CA 1982-410800	19820903
JP 58209742	A2	19831206	JP 1983-88393	19830521
PRIORITY APPLN. INFO.:			US 1982-380844	A 19820521
GI				



AB Photog. nondiffusible compound is described capable of releasing  $\geq 1$  cyan dye moiety comprising a 6-heterocyclylazo-3-pyridinol compound. The dye-releasing compound can be premetallized or a metal complex of the released dye can be formed in an image receiving layer. Thus, a receiving element comprising a poly(ethylene terephthalate) support, a metal-complexing layer containing  $\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$  0.58, **gelatin** 1.08 g/m<sup>2</sup>, and a poly(4-vinylpyridine) 2.15-**gelatin** 2.15 g/m<sup>2</sup> mordant layer was immersed in an alkaline solution of I, removed, washed with H<sub>2</sub>O, placed

in pH = 7 buffer and dried. The  $\lambda_{\text{max}}$  of the obtained Ni-complexed dyes was 679 nm and half bandwidth 95 nm (transmission spectrum was normalized to a d. of 1). The element at pH = 7 was subjected to 21 days of irradiation by a 6000 W Xe lamp through a UV filter at 38° showing fade of 5% (loss of d. at  $\lambda_{\text{max}}$ ).

IT **88606-24-0D**, nickel complexes **88606-25-1D**, nickel complexes **88606-26-2D**, nickel complexes **88606-27-3D**, nickel complexes **88606-28-4D**, nickel complexes **88606-29-5D**, nickel complexes **88606-34-2D**, nickel complexes

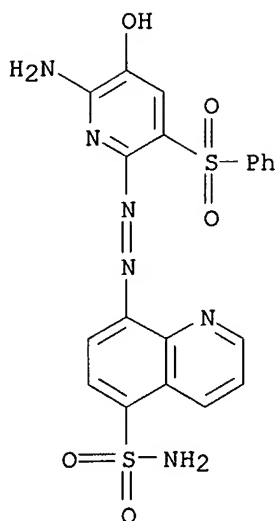
RL: USES (Uses)

(photog. transfer image from, characteristics of)

RN 88606-24-0 CAPLUS

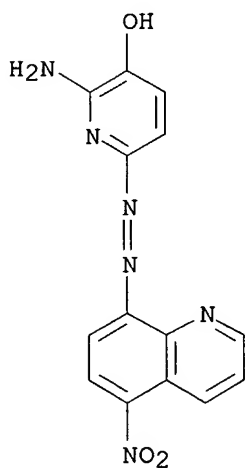
CN 5-Quinolinesulfonamide, 8-[[6-amino-5-hydroxy-3-(phenylsulfonyl)-2-pyridinyl]azo]- (9CI) (CA INDEX NAME)





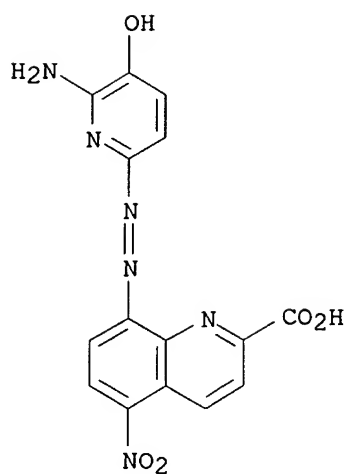
RN 88606-25-1 CAPLUS

CN 3-Pyridinol, 2-amino-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)

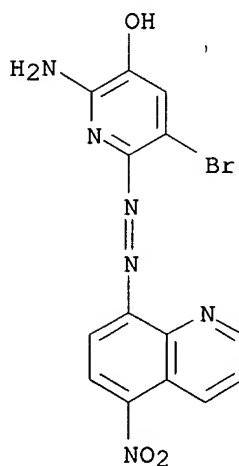


RN 88606-26-2 CAPLUS

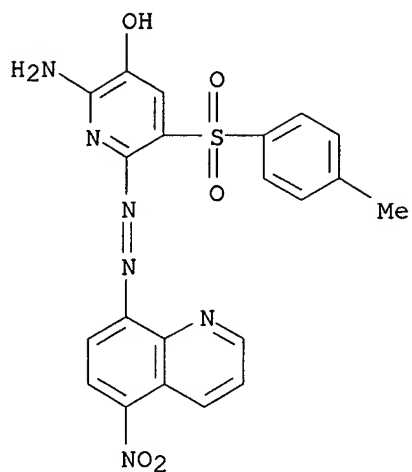
CN 2-Quinolinecarboxylic acid, 8-[(6-amino-5-hydroxy-2-pyridinyl)azo]-5-nitro- (9CI) (CA INDEX NAME)



RN 88606-27-3 CAPLUS  
 CN 3-Pyridinol, 2-amino-5-bromo-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)

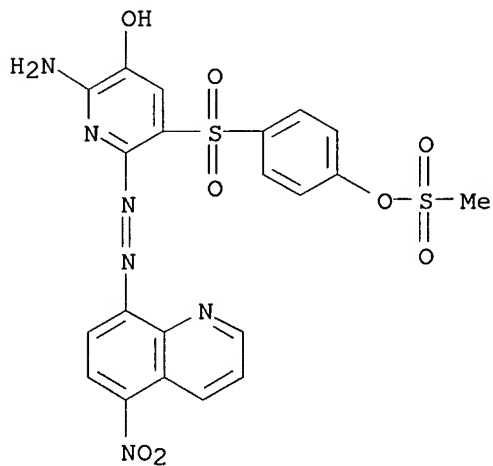


RN 88606-28-4 CAPLUS  
 CN 3-Pyridinol, 2-amino-5-[(4-methylphenyl)sulfonyl]-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)



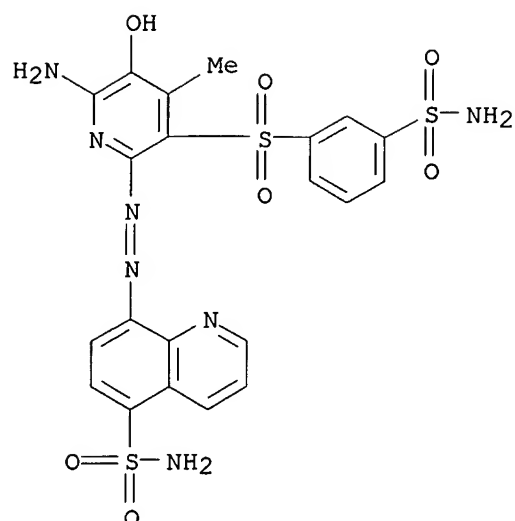
RN 88606-29-5 CAPLUS

CN 3-Pyridinol, 2-amino-5-[[4-[(methanesulfonyl)oxy]phenyl]sulfonyl]-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)



RN 88606-34-2 CAPLUS

CN 5-Quinolinesulfonamide, 8-[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-4-methyl-2-pyridinyl]azo]- (9CI) (CA INDEX NAME)

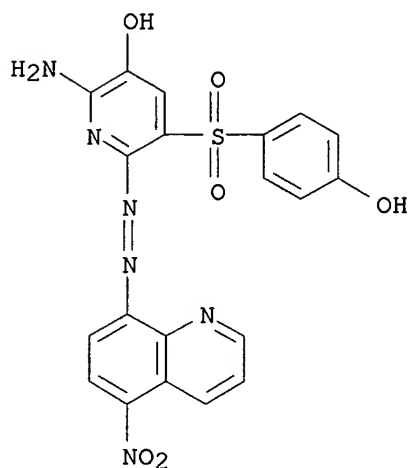


IT 88606-30-8D, nickel complexes 88606-31-9D, nickel complexes 88606-32-0D, nickel complexes 88606-33-1D, nickel complexes 88606-35-3D, nickel complexes 88606-36-4D, nickel complexes 88606-37-5D, nickel complexes 88606-38-6D, nickel complexes 88606-39-7D, nickel complexes 88606-40-0D, nickel complexes 88606-41-1D, nickel complexes 88606-42-2D, nickel complexes 88623-69-2D, nickel complexes 88623-70-5D, nickel complexes 88623-71-6D, nickel complexes 88623-72-7D, nickel complexes  
 RL: USES (Uses)

(photog. transfer images from, characteristics of)

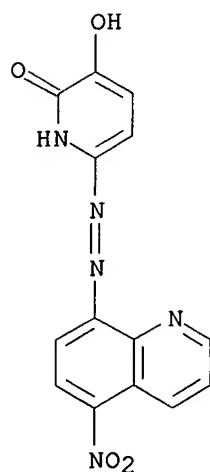
RN 88606-30-8 CAPLUS

CN 3-Pyridinol, 2-amino-5-[(4-hydroxyphenyl)sulfonyl]-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)



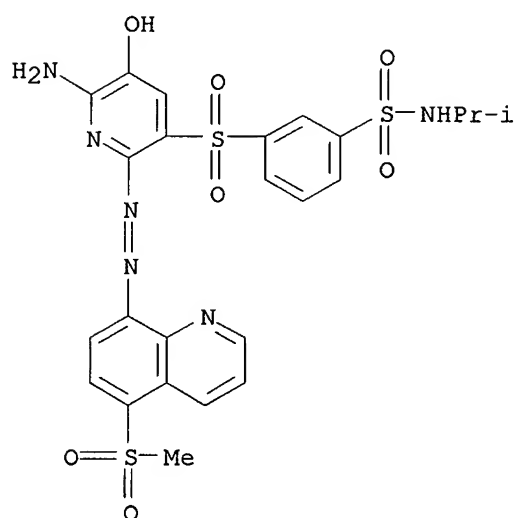
RN 88606-31-9 CAPLUS

CN 2(1H)-Pyridinone, 3-hydroxy-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)



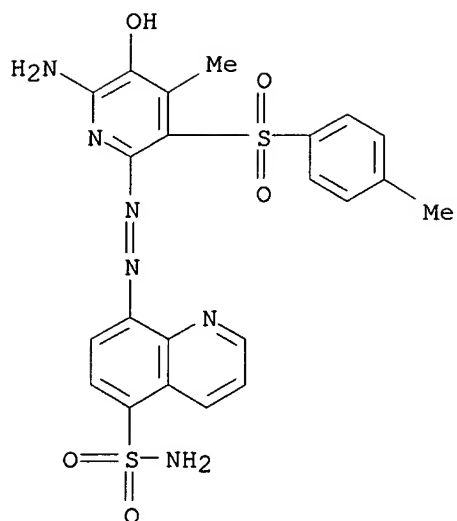
RN 88606-32-0 CAPLUS

CN Benzenesulfonamide, 3-[[6-amino-5-hydroxy-2-[[5-(methylsulfonyl)-8-quinolinyl]azo]-3-pyridinyl]sulfonyl]-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



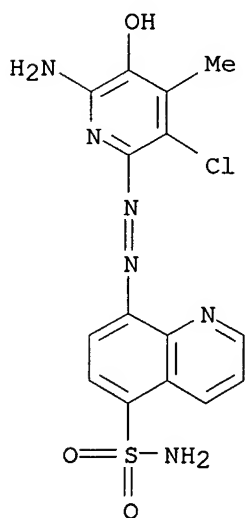
RN 88606-33-1 CAPLUS

CN 5-Quinolinesulfonamide, 8-[[6-amino-5-hydroxy-4-methyl-3-[(4-methylphenyl)sulfonyl]-2-pyridinyl]azo]- (9CI) (CA INDEX NAME)



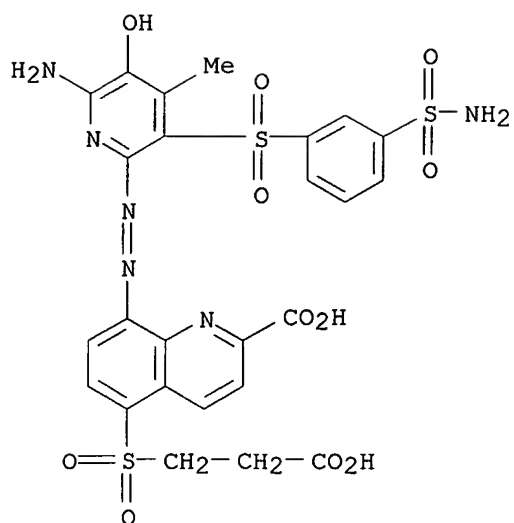
RN 88606-35-3 CAPLUS

CN 5-Quinolinecarboxamide, 8-[(6-amino-3-chloro-5-hydroxy-4-methyl-2-pyridinyl)azo]- (9CI) (CA INDEX NAME)



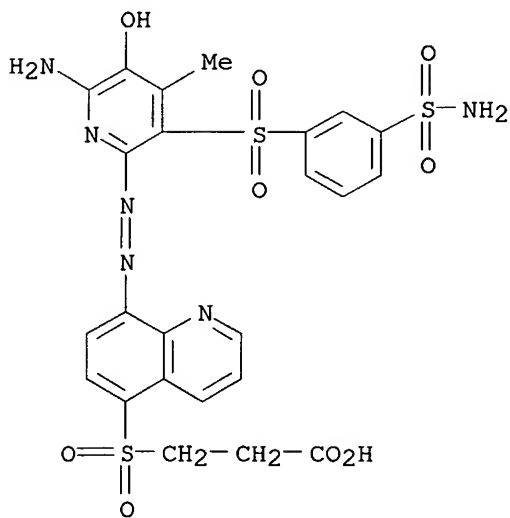
RN 88606-36-4 CAPLUS

CN 2-Quinolinecarboxylic acid, 8-[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-4-methyl-2-pyridinyl]azo]-5-[(2-carboxyethyl)sulfonyl]- (9CI) (CA INDEX NAME)



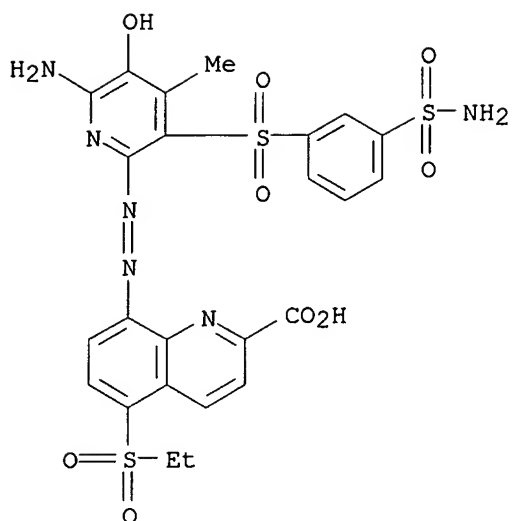
RN 88606-37-5 CAPLUS

CN Propanoic acid, 3-[[8-[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-4-methyl-2-pyridinyl]azo]-5-quinolinyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 88606-38-6 CAPLUS

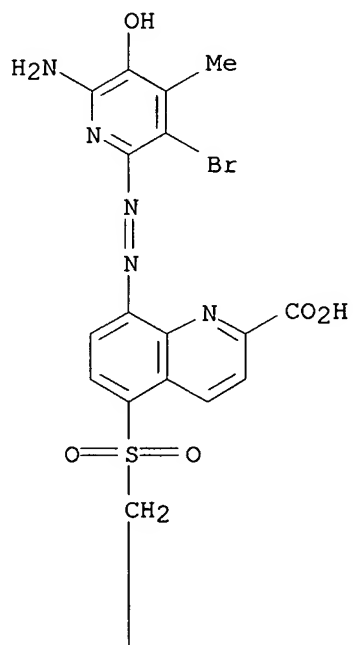
CN 2-Quinolinecarboxylic acid, 8-[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-4-methyl-2-pyridinyl]azo]-5-(ethylsulfonyl)- (9CI) (CA INDEX NAME)



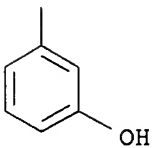
RN 88606-39-7 CAPLUS

CN 2-Quinolinecarboxylic acid, 8-[(6-amino-3-bromo-5-hydroxy-4-methyl-2-pyridinyl)azo]-5-[[[3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)

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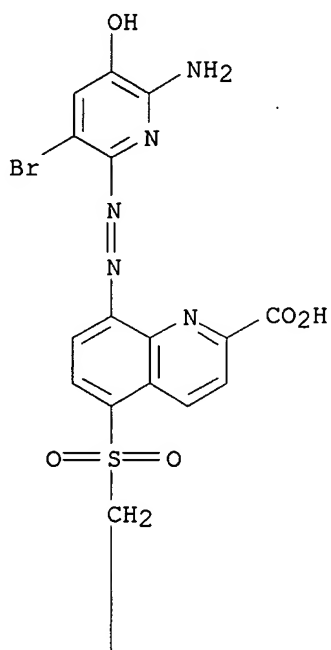
PAGE 2-A



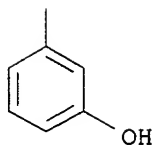


RN 88606-40-0 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 8-[(6-amino-3-bromo-5-hydroxy-2-pyridinyl)azo]-  
 5-[[ (3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)

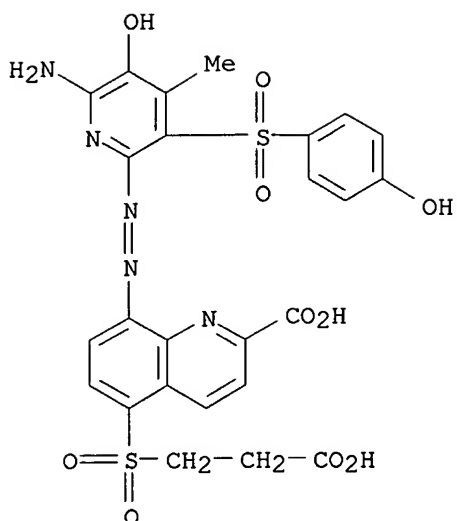
PAGE 1-A



PAGE 2-A

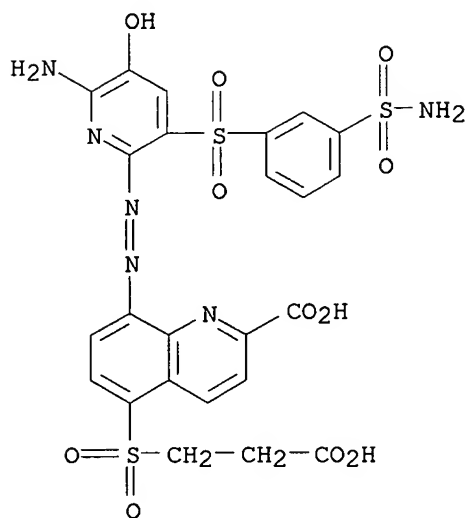


RN 88606-41-1 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-3-[(4-hydroxyphenyl)sulfonyl]-4-methyl-2-pyridinyl]azo]-5-[(2-carboxyethyl)sulfonyl]- (9CI) (CA INDEX NAME)



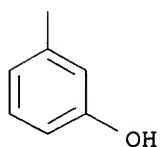
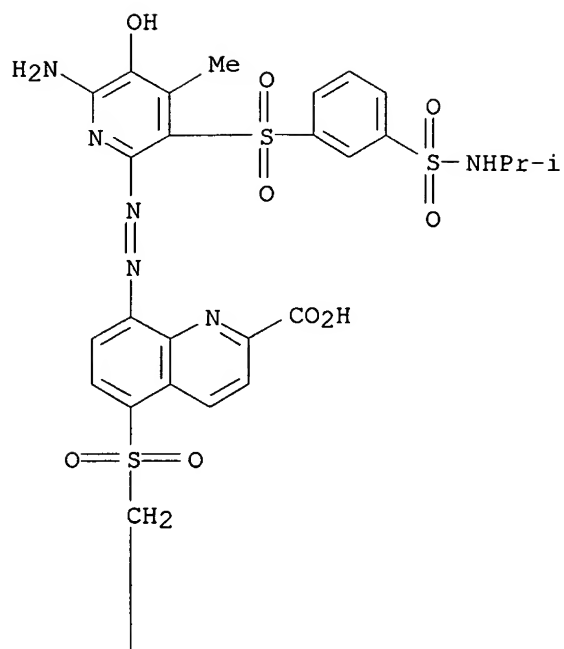
RN 88606-42-2 CAPLUS

CN 2-Quinolinecarboxylic acid, 8-[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-2-pyridinyl]azo]-5-[(2-carboxyethyl)sulfonyl]- (9CI) (CA INDEX NAME)



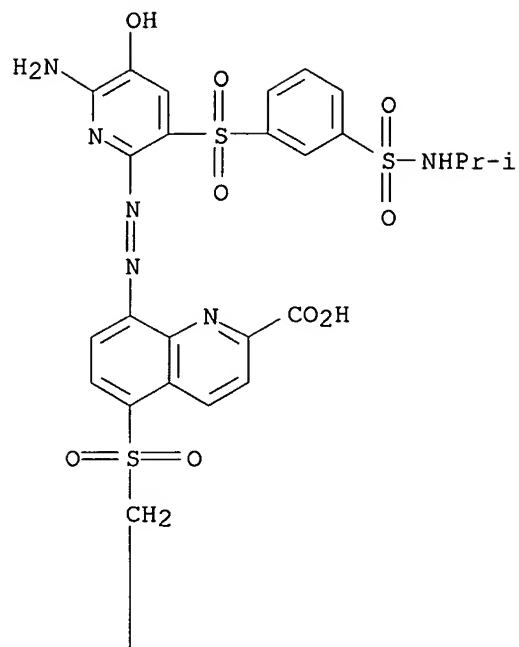
RN 88623-69-2 CAPLUS

CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-4-methyl-3-[[3-[[[(1-methylethyl)amino]sulfonyl]phenyl]sulfonyl]-2-pyridinyl]azo]-5-[[3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)

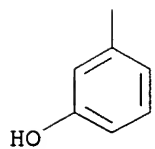


RN 88623-70-5 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-3-[[3-[[[1-methylethyl)amino]sulfonyl]phenyl]sulfonyl]-2-pyridinyl]azo]-5-[[3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)

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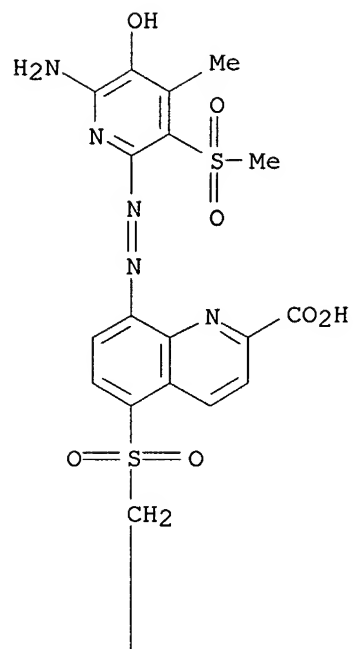


PAGE 2-A

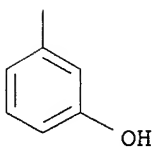


RN 88623-71-6 CAPLUS  
CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-4-methyl-3-(methylsulfonyl)-2-pyridinyl]azo]-5-[[[(3-hydroxyphenyl)methyl]sulfonyl]-(9CI) (CA INDEX NAME)

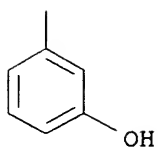
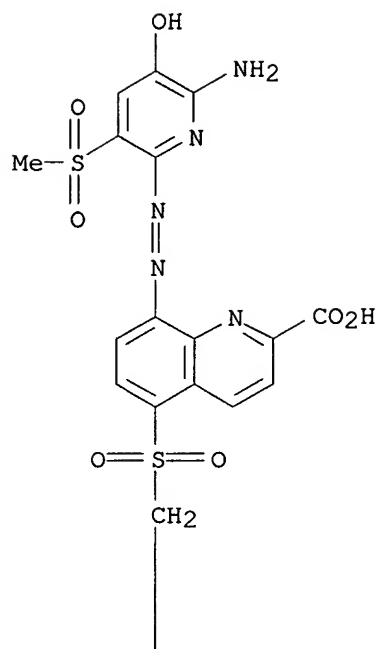
PAGE 1-A



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RN 88623-72-7 CAPLUS  
CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-3-(methylsulfonyl)-2-pyridinyl]azo]-5-[[[3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)



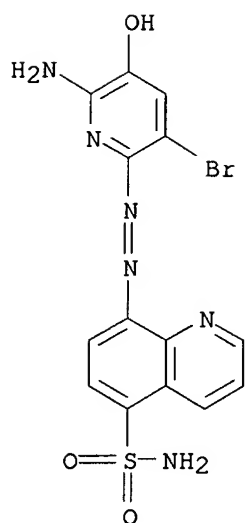
IT **88623-73-8P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, in preparation of photog. cyan dye moiety providing compound)

RN 88623-73-8 CAPLUS

CN 5-Quinolinesulfonamide, 8-[(6-amino-3-bromo-5-hydroxy-2-pyridinyl)azo]- (9CI) (CA INDEX NAME)



IT **88606-48-8P**

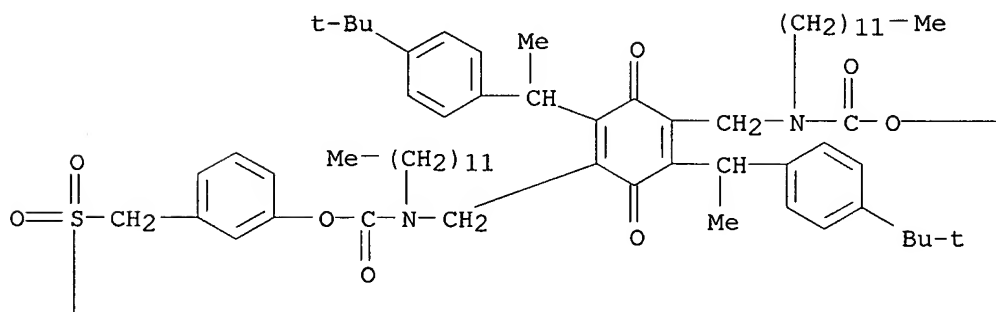
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

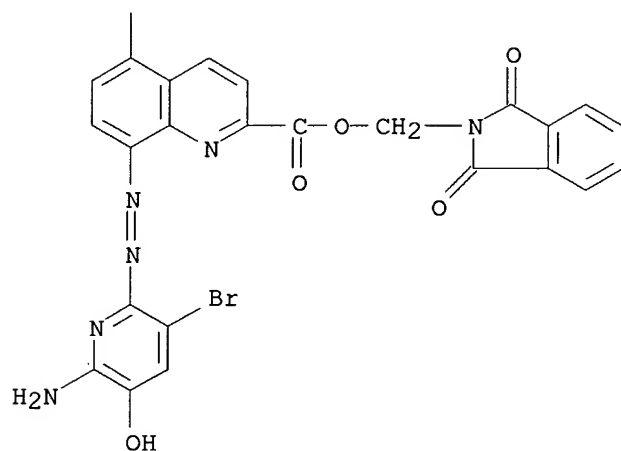
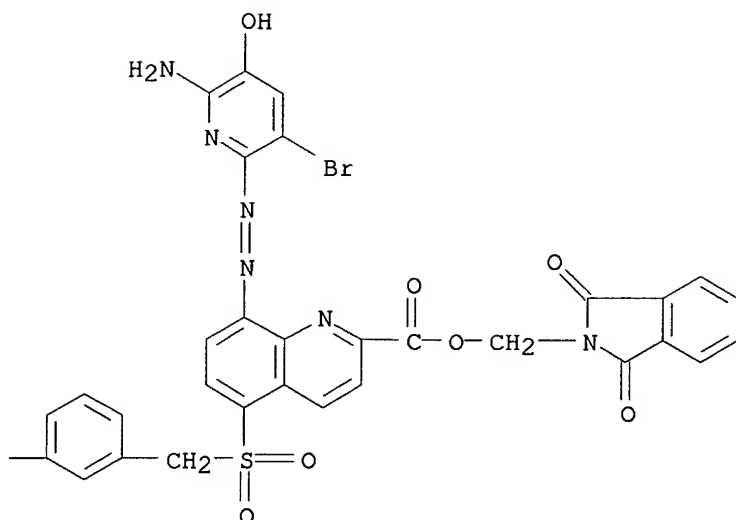
(preparation and reaction of, in preparation of photog. cyan dye releasing compound)

RN 88606-48-8 CAPLUS

CN 2-Quinolinecarboxylic acid, 5,5'-[[2,5-bis[1-[4-(1,1-dimethylethyl)phenyl]ethyl]-3,6-dioxo-1,4-cyclohexadiene-1,4-diyl]bis[methylene(dodecylimino)carbonyloxy-3,1-phenylenemethylenesulfonyl]]bis[8-[(6-amino-3-bromo-5-hydroxy-2-pyridinyl)azo]-, bis[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] ester (9CI) (CA INDEX NAME)

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IT **88606-54-6P**

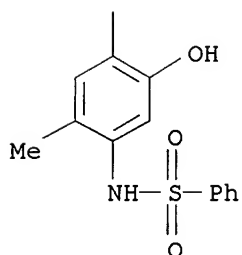
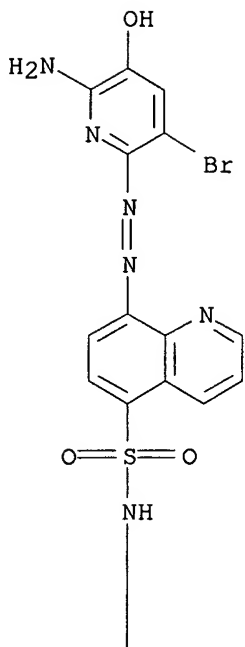
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, in preparation of photog. cyan dye-releasing compound)

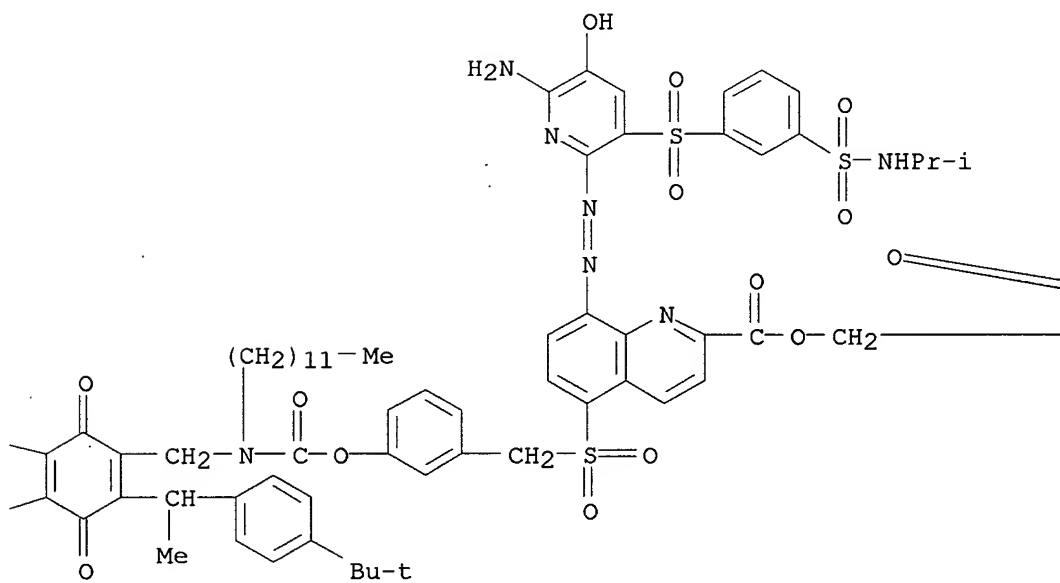
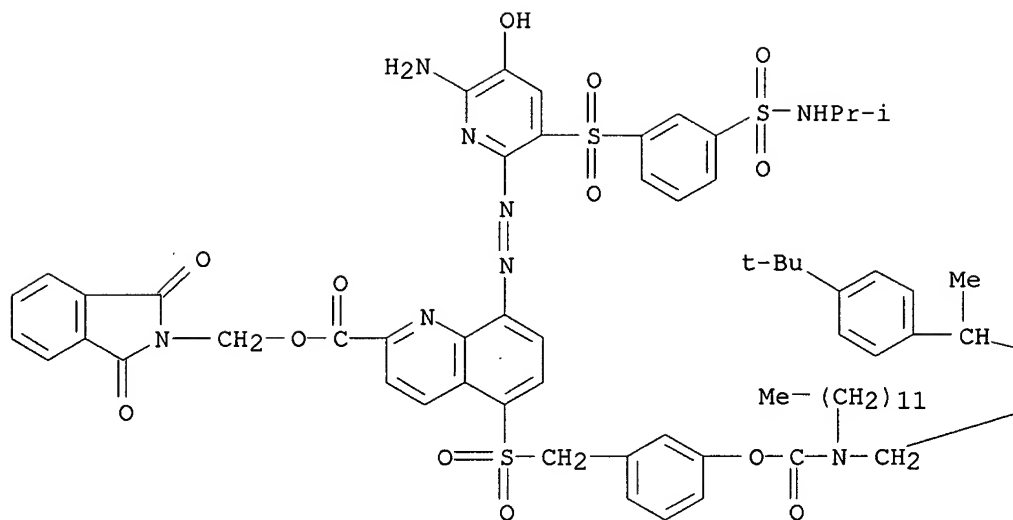
RN 88606-54-6 CAPLUS

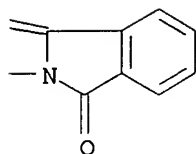
CN 5-Quinolinesulfonamide, 8-[(6-amino-3-bromo-5-hydroxy-2-pyridinyl)azo]-N-[2-hydroxy-5-methyl-4-[(phenylsulfonyl)amino]phenyl]- (9CI) (CA INDEX NAME)





IT **88606-47-7P**  
 RL: PREP (Preparation)  
 (preparation of, as photog. cyan dye releasing compound)  
 RN 88606-47-7 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 5,5'-[[2,5-bis[1-[4-(1,1-dimethylethyl)phenyl]ethyl]-3,6-dioxo-1,4-cyclohexadiene-1,4-diyl]bis[methylene(dodecylimino)carbonyloxy-3,1-phenylenemethylenesulfonyl]]bis[8-[[6-amino-5-hydroxy-3-[[3-[[[(1-methylethyl)amino]sulfonyl]phenyl]sulfonyl]-2-pyridinyl]azo]-, bis[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] ester (9CI) (CA INDEX NAME)





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L13 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:857656 CAPLUS

DOCUMENT NUMBER: 141:333589

TITLE: Magenta metal chelate dyes and their use in ink-jet printers

INVENTOR(S): Wright, Gavin; Gregory, Peter

PATENT ASSIGNEE(S): Avecia Limited, UK

SOURCE: PCT Int. Appl., 25 pp.

CODEN: PIXXD2

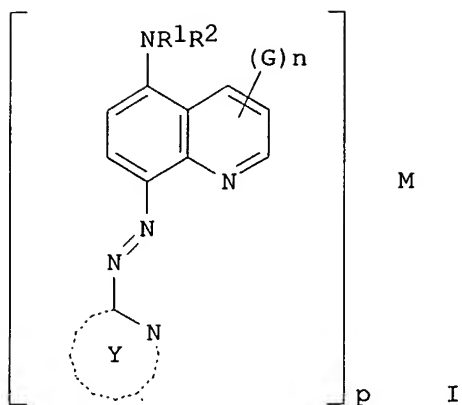
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
GB 2413559	A1	20051102	GB 2005-17550	20040315
PRIORITY APPLN. INFO.:			GB 2003-7695	A 20030402
			WO 2004-GB1088	W 20040315
OTHER SOURCE(S):	MARPAT	141:333589		
GI				



AB Metal chelates I, wherein R1 and R2 are each independently H or an organic group; M is a metal; p is 1 to 4; Y is an optionally substituted heterocyclic ring with a nitrogen ortho to the azo bridge; G is a substituent; and n is 0 to 5 are manufd for use as magenta dyes for jet-printing. A typical chelate was manufactured by reaction of 0.1 mol 5-aminoquinoline 170 h with 0.1 mol Me 4-bromobenzoate at 100° in PhMe in the presence of CsCO<sub>3</sub>, 2,2'-bis(diphenylphosphino)-1,1'-binaphthyl, and tris(dibenzylideneacetone)dipalladium, saponification of the resulting Me 4-(quinolin-5-ylamino)benzoate, coupling of the resulting acid with diazotized 2-aminopyridine N-oxide, reduction of the resulting azo acid oxide with Me<sub>2</sub>SO<sub>3</sub> in NMP, and complexation of the resulting azo acid with Ni(OAc)<sub>2</sub>·4H<sub>2</sub>O.

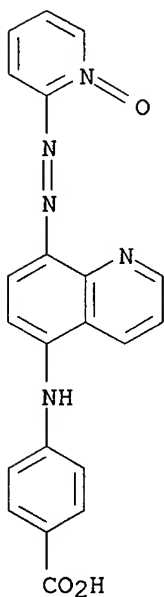
IT **773147-60-7P**

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(ligand precursor; magenta dyes based on metal chelates of azoquinoline derivs. for jet-printing inks)

RN 773147-60-7 CAPLUS

CN Benzoic acid, 4-[[8-[(1-oxido-2-pyridinyl)azo]-5-quinolinyl]amino]- (9CI)  
(CA INDEX NAME)



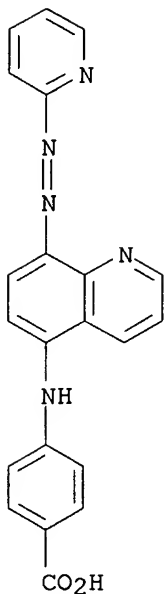
IT 773147-62-9P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(ligand; magenta dyes based on metal chelates of azoquinoline derivs. for jet-printing inks)

RN 773147-62-9 CAPLUS

CN Benzoic acid, 4-[[8-(2-pyridinylazo)-5-quinolinyl]amino]- (9CI) (CA INDEX NAME)



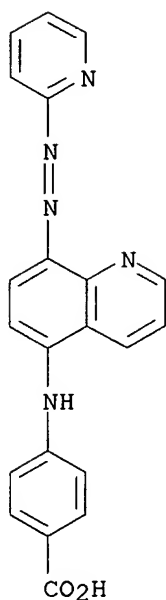
IT 773147-62-9DP, complexes with **nickel**

773147-73-2DP, complexes with **nickel**

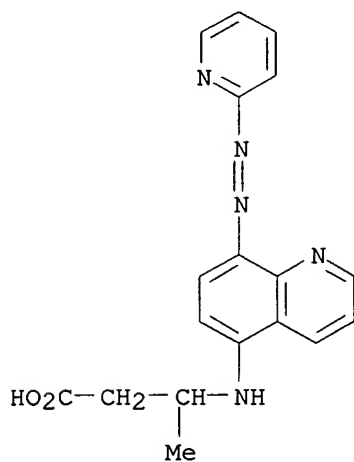
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (magenta dyes based on metal chelates of azoquinoline derivs. for jet-printing inks)

RN 773147-62-9 CAPLUS

CN Benzoic acid, 4-[[8-(2-pyridinylazo)-5-quinolinyl]amino]- (9CI) (CA INDEX NAME)



RN 773147-73-2 CAPLUS  
 CN Butanoic acid, 3-[[8-(2-pyridinylazo)-5-quinolinyl]amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2002:693185 CAPLUS  
 DOCUMENT NUMBER: 137:202818  
 TITLE: Ink-jet printing method using metal complex colorant and antikogating agent in ink-jet ink composition  
 INVENTOR(S): Erdtmann, David; Evans, Steven; Lopez, Edgardo; Van Hanehem, Richard C.  
 PATENT ASSIGNEE(S): Eastman Kodak Company, USA  
 SOURCE: Eur. Pat. Appl., 11 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1239012	A2	20020911	EP 2002-75601	20020214
EP 1239012	A3	20031105		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2002157566	A1	20021031	US 2001-794604	20010227
US 6524378	B2	20030225		
JP 2002348511	A2	20021204	JP 2002-47848	20020225
PRIORITY APPLN. INFO.:			US 2001-794604	A 20010227
OTHER SOURCE(S):	MARPAT 137:202818			

AB The method comprises (A) providing an ink-jet printer responsive to digital data signals; (B) loading the printer with an ink-jet recording element comprising a support having an image-receiving layer; (C) loading the printer with an ink-jet ink composition comprising water, a humectant (e.g., diethylene glycol, glycerol and 2-pyrrolidinone), a polyvalent transition metal complex of an 8-heterocyclylazo-5-hydroxy-quinoline and an antikogating agent containing an alkali metal salt of a monobasic organic or inorg. acid (e.g., sodium hexanoate); and (D) printing on the image-receiving layer using the ink jet ink composition in response to the digital data signals.

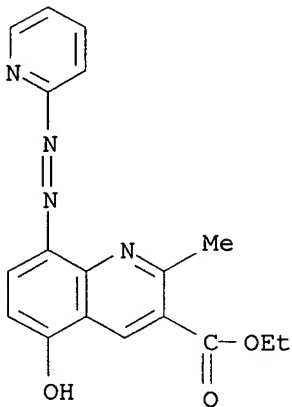
IT **251959-67-8P 251959-68-9P**

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(for metal complex colorant; ink-jet printing method using metal complex colorant and antikogating agent in ink-jet ink composition)

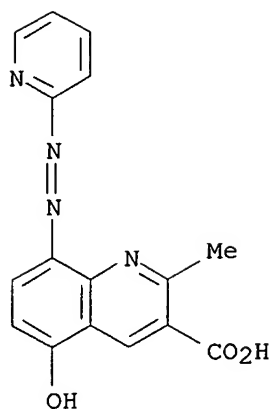
RN 251959-67-8 CAPLUS

CN 3-Quinolinecarboxylic acid, 5-hydroxy-2-methyl-8-(2-pyridinylazo)-, ethyl ester (9CI) (CA INDEX NAME)



RN 251959-68-9 CAPLUS

CN 3-Quinolinecarboxylic acid, 5-hydroxy-2-methyl-8-(2-pyridinylazo)- (9CI) (CA INDEX NAME)



L13 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:656053 CAPLUS

DOCUMENT NUMBER: 137:187172

TITLE: Ink-jet ink composition comprising metal complex of 8-heterocyclazo-5-hydroxy-quinoline and anti-kogation materials

INVENTOR(S): Erdtmann, David; Lopez, Edgardo; Van Hanehem, Richard C.; Evans, Steven

PATENT ASSIGNEE(S): Eastman Kodak Company, USA

SOURCE: Eur. Pat. Appl., 14 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1234860	A1	20020828	EP 2002-75634	20020215
EP 1234860	B1	20050907		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2002157567	A1	20021031	US 2001-794608	20010227
US 6527844	B2	20030304		
JP 2002294125	A2	20021009	JP 2002-47856	20020225
PRIORITY APPLN. INFO.:			US 2001-794608	A 20010227

OTHER SOURCE(S): MARPAT 137:187172

AB An ink-jet ink composition comprises water, a humectant, a polyvalent transition metal complex of an 8-heterocyclazo-5-hydroxy-quinoline and an anti-kogation material comprising an alkali metal salt of a monobasic organic or inorg. acid. The ink jet ink composition has both good light stability

and bright hue, and is able to provide consistent d. when printed in a thermal ink jet printer.

IT 251959-67-8P 251959-68-9P

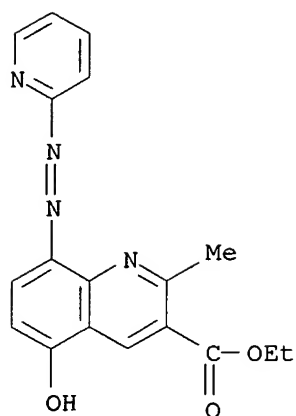
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(metal complexes for ink-jet ink composition with good light stability and consistent d.)

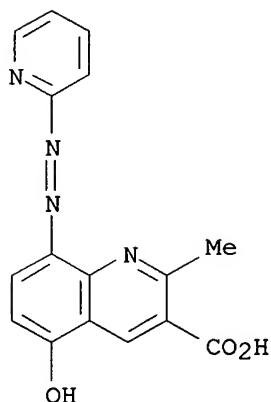
RN 251959-67-8 CAPLUS

CN 3-Quinolinecarboxylic acid, 5-hydroxy-2-methyl-8-(2-pyridinylazo)-, ethyl ester (9CI) (CA INDEX NAME)





RN 251959-68-9 CAPLUS  
 CN 3-Quinolinecarboxylic acid, 5-hydroxy-2-methyl-8-(2-pyridinylazo)- (9CI)  
 (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1999:794168 CAPLUS  
 DOCUMENT NUMBER: 132:51265  
 TITLE: Metal complex for ink jet ink  
 INVENTOR(S): Evans, Steven; Weber, Helmut  
 PATENT ASSIGNEE(S): Eastman Kodak Co., USA  
 SOURCE: U.S., 9 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6001161	A	19991214	US 1998-203254	19981201
EP 1006157	A1	20000607	EP 1999-203891	19991119
EP 1006157	B1	20031008		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000160079	A2	20000613	JP 1999-337188	19991129

PRIORITY APPLN. INFO.:

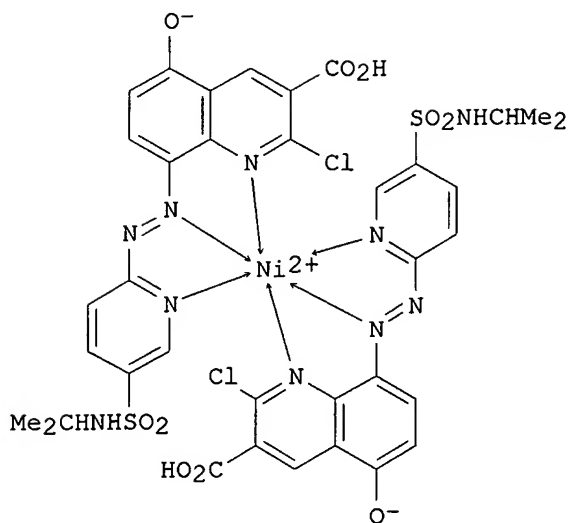
US 1998-203254

A 19981201

OTHER SOURCE(S):

MARPAT 132:51265

GI



AB An ink jet ink composition comprises water, a humectant, and a polyvalent transition metal complex of 8-heterocyclylazo-5-hydroxyquinoline such as I. This composition provides magenta images with good light stability and bright magenta hue.

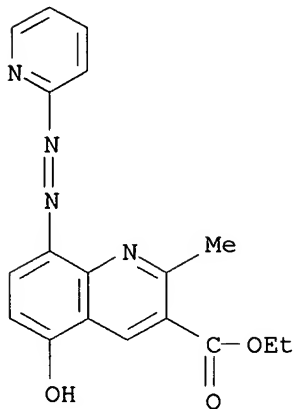
IT **251959-67-8P 251959-68-9P**

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(dye precursor; transition metal complexes of heterocyclylazohydroxyquinolines for light-resistant bright magenta ink jet inks)

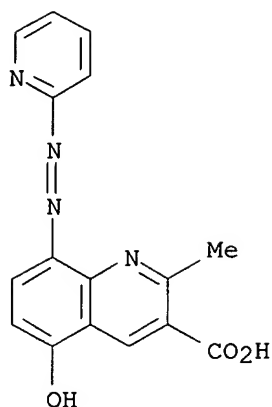
RN 251959-67-8 CAPLUS

CN 3-Quinolinecarboxylic acid, 5-hydroxy-2-methyl-8-(2-pyridinylazo)-, ethyl ester (9CI) (CA INDEX NAME)



RN 251959-68-9 CAPLUS

CN 3-Quinolinecarboxylic acid, 5-hydroxy-2-methyl-8-(2-pyridinylazo)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1999:779071 CAPLUS  
 DOCUMENT NUMBER: 132:23854  
 TITLE: Ink jet printing with azo dye metal complex  
 INVENTOR(S): Weber, Helmut; Evans, Steven  
 PATENT ASSIGNEE(S): Eastman Kodak Company, USA  
 SOURCE: U.S., 9 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

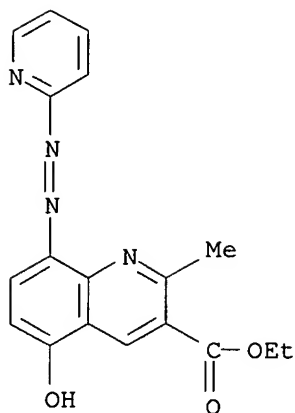
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5997622	A	19991207	US 1998-203258	19981201
EP 1006159	A1	20000607	EP 1999-203893	19991119
EP 1006159	B1	20040121		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000160078	A2	20000613	JP 1999-337046	19991129
PRIORITY APPLN. INFO.:			US 1998-203258	A 19981201
OTHER SOURCE(S): MARPAT 132:23854				

AB An ink jet printing method comprises the steps of: (A) providing an ink jet printer that is responsive to digital data signals; (B) loading the printer with ink-receptive substrates; (C) loading the printer with an ink jet ink composition comprising a carrier and a polyvalent transition metal complex of an 8-(heterocyclylazo)-5-hydroxyquinoline; and (D) printing on an ink-receptive substrate using the ink jet ink in response to the digital data signals. The metal complex azo dyes have light stability comparable to that of prior-art dyes and superior color purity. An example for the production of the Ni 1:2 complex of 5-hydroxy-2-methyl-8-(2-pyridylazo)-3-quinolinecarboxylic acid ( $\lambda_{\max}$  552 nm) was provided.

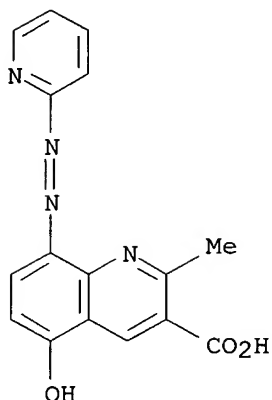
IT **251959-67-8P 251959-68-9P**, 5-Hydroxy-2-methyl-8-(2-pyridylazo)-3-quinolinecarboxylic acid  
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate; production of azo dye metal complex for ink jet printing)

RN 251959-67-8 CAPLUS

CN 3-Quinolinecarboxylic acid, 5-hydroxy-2-methyl-8-(2-pyridinylazo)-, ethyl ester (9CI) (CA INDEX NAME)



RN 251959-68-9 CAPLUS  
 CN 3-Quinolinecarboxylic acid, 5-hydroxy-2-methyl-8-(2-pyridinylazo)- (9CI)  
 (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1984:183110 CAPLUS

DOCUMENT NUMBER: 100:183110

TITLE: Photographic products and processes employing 6-heterocyclylazo-3-pyridinol nondiffusible cyan dye-releasing compounds and precursors thereof

INVENTOR(S): Reczek, James A.; Elwood, James K.

PATENT ASSIGNEE(S): Eastman Kodak Co., USA

SOURCE: U.S., 30 pp. Cont.-in-part of U.S. Ser. No. 380,844, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4419435	A	19831206	US 1983-458501	19830117
CA 1202961	A1	19860408	CA 1982-410800	19820903
JP 58209742	A2	19831206	JP 1983-88393	19830521

US 4495100	A	19850122	US 1983-504693	19830615
US 4495098	A	19850122	US 1983-504694	19830615
US 4476207	A	19841009	US 1984-578720	19840209
PRIORITY APPLN. INFO.:			US 1982-380844	A2 19820521
			US 1983-458501	A3 19830117
			US 1983-504694	A3 19830615

GI For diagram(s), see printed CA Issue.

AB Photog. elements, diffusion-transfer assemblages, coordination complexes, and processes are described which employ a nondiffusible compound of the formula I (R = OH, a salt or hydrolyzable precursor thereof, or a ballasted carrier bound through an O; R1 = a ballasted carrier moiety capable of releasing the diffusible cyan dye moiety as a function of the development of a Ag halide emulsion layer under alkaline conditions; Z = the atoms necessary to complete a 5- or 6-membered aromatic heterocyclic fused ring; n = 0, 1, or 2 and when n = 0, then R is a ballasted carrier) capable of releasing  $\geq 1$  diffusible cyan dye moiety, premetallized or metalizable, to diffuse to an image-receiving layer to form a metal-complexed dye-transfer image having better red hue, min. unwanted absorption outside the red region of the spectrum, narrower bandwidth, rapid diffusion rate, and shorter access time, as well as good stability to heat, light, and chemical reagents. Thus, in an alkaline solution of the dye II,

which was capable of being released from III, was immersed a Ni(II)-containing receiving element containing a mordant. The receiving element was removed from the dye solution, washed, placed in a pH 7.0 buffer, dried, and the  $\lambda_{\max}$ , half bandwidth, diffusion time, and percent fade (21 day irradiation with 50,000 lx at 38° and low humidity) were 660 nm, 95 nm, 47 s, and 8%, resp.

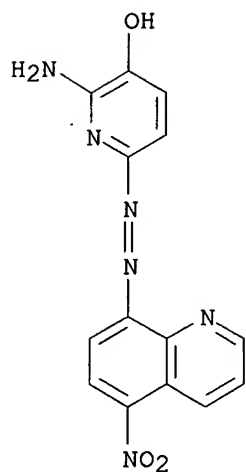
IT 88606-25-1D, nickel complexes 88606-26-2D, nickel complexes 88606-27-3D, nickel complexes 88606-28-4D, nickel complexes 88606-29-5D, nickel complexes 88606-30-8D, nickel complexes 88606-31-9D, nickel complexes 88606-32-0D, nickel complexes 88606-33-1D, nickel complexes 88606-34-2D, nickel complexes 88606-35-3D, nickel complexes 88606-36-4D, nickel complexes 88606-37-5D, nickel complexes 88606-38-6D, nickel complexes 88606-39-7D, nickel complexes 88606-40-0D, nickel complexes 88606-41-1D, nickel complexes 88606-42-2D, nickel complexes 88623-71-6D, nickel complexes 88623-72-7D, nickel complexes 89822-66-2D, nickel complexes 89822-67-3D, nickel complexes 89822-68-4D, nickel complexes

RL: PRP (Properties)

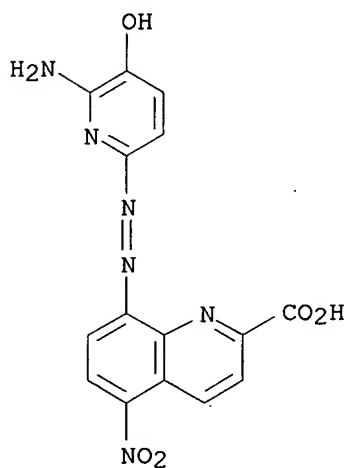
(diffusion and light stability and UV spectrum of, color photog. applications in relation to)

RN 88606-25-1 CAPLUS

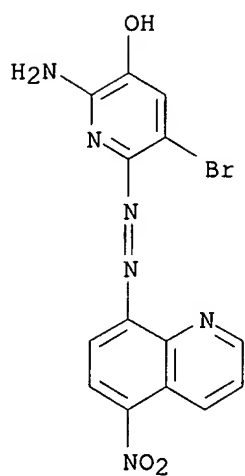
CN 3-Pyridinol, 2-amino-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)



RN 88606-26-2 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 8-[(6-amino-5-hydroxy-2-pyridinyl)azo]-5-nitro-  
 (9CI) (CA INDEX NAME)

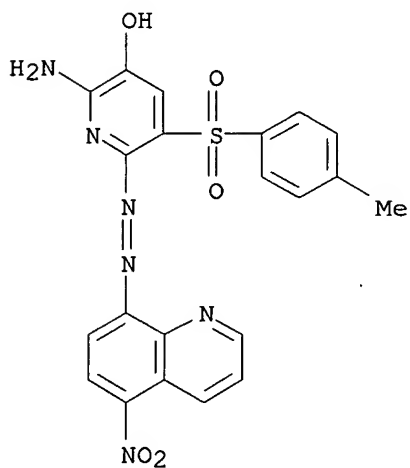


RN 88606-27-3 CAPLUS  
 CN 3-Pyridinol, 2-amino-5-bromo-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA  
 INDEX NAME)



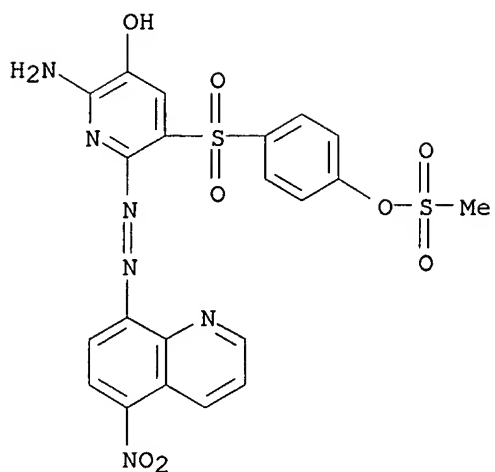
RN 88606-28-4 CAPLUS

CN 3-Pyridinol, 2-amino-5-[(4-methylphenyl)sulfonyl]-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)

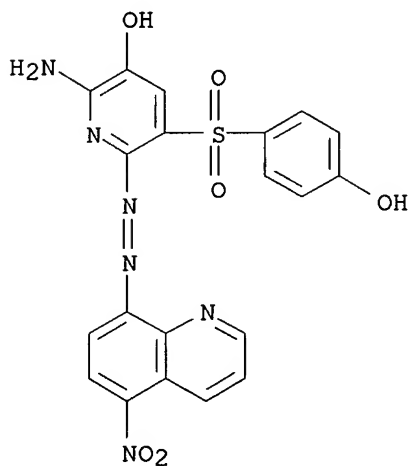


RN 88606-29-5 CAPLUS

CN 3-Pyridinol, 2-amino-5-[[4-[(methylsulfonyl)oxy]phenyl]sulfonyl]-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)

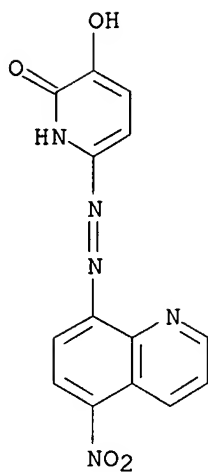


RN 88606-30-8 CAPLUS  
 CN 3-Pyridinol, 2-amino-5-[(4-hydroxyphenyl)sulfonyl]-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)



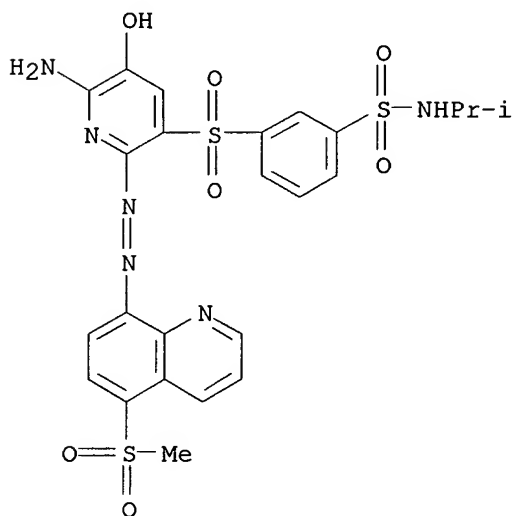
RN 88606-31-9 CAPLUS  
 CN 2(1H)-Pyridinone, 3-hydroxy-6-[(5-nitro-8-quinolinyl)azo]- (9CI) (CA INDEX NAME)





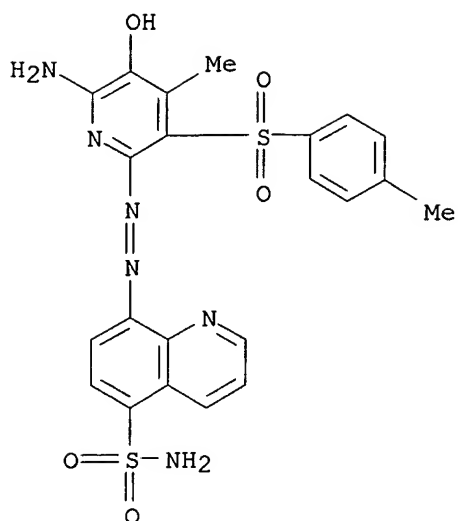
RN 88606-32-0 CAPLUS

CN Benzenesulfonamide, 3-[[6-amino-5-hydroxy-2-[[5-(methanesulfonyl)-8-quinolinyl]azo]-3-pyridinyl]sulfonyl]-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



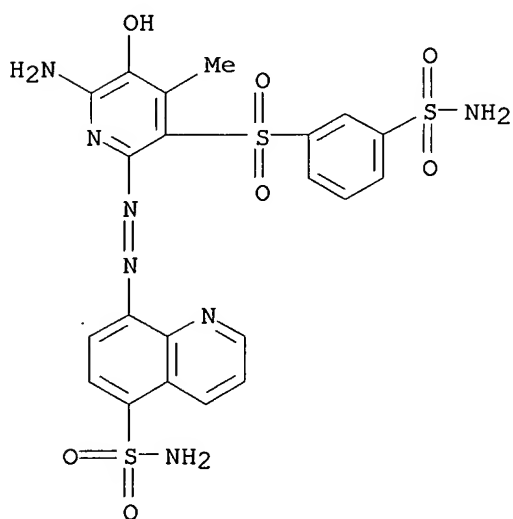
RN 88606-33-1 CAPLUS

CN 5-Quinolinesulfonamide, 8-[[6-amino-5-hydroxy-4-methyl-3-[(4-methylphenyl)sulfonyl]-2-pyridinyl]azo]- (9CI) (CA INDEX NAME)



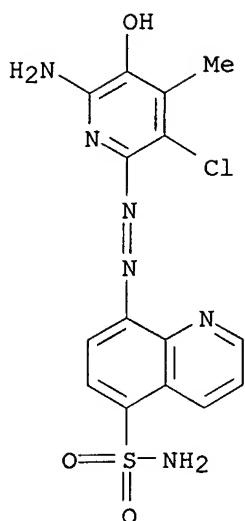
RN 88606-34-2 CAPLUS

CN 5-Quinolinesulfonamide, 8-[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-4-methyl-2-pyridinyl]azo]- (9CI) (CA INDEX NAME)



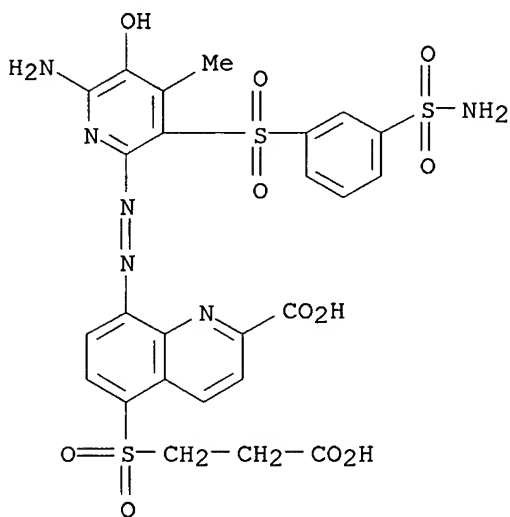
RN 88606-35-3 CAPLUS

CN 5-Quinolinesulfonamide, 8-[(6-amino-3-chloro-5-hydroxy-4-methyl-2-pyridinyl)azo]- (9CI) (CA INDEX NAME)



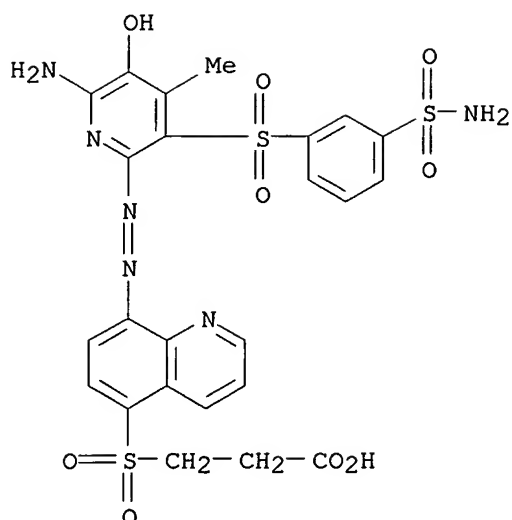
RN 88606-36-4 CAPLUS

CN 2-Quinolinecarboxylic acid, 8-[[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-4-methyl-2-pyridinyl]azo]-5-[(2-carboxyethyl)sulfonyl]- (9CI) (CA INDEX NAME)



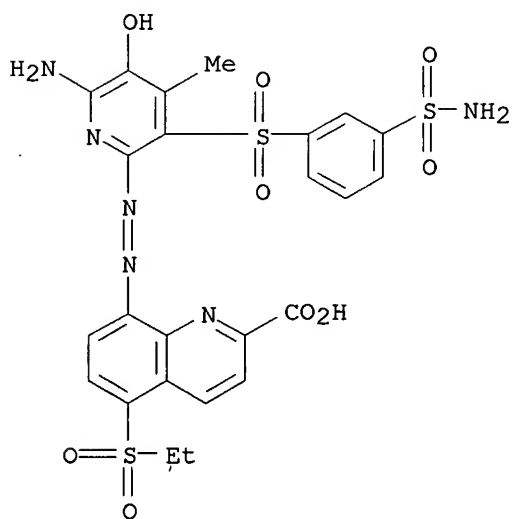
RN 88606-37-5 CAPLUS

CN Propanoic acid, 3-[[[8-[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-4-methyl-2-pyridinyl]azo]-5-quinolinyl]sulfonyl]- (9CI) (CA INDEX NAME)



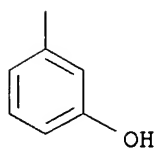
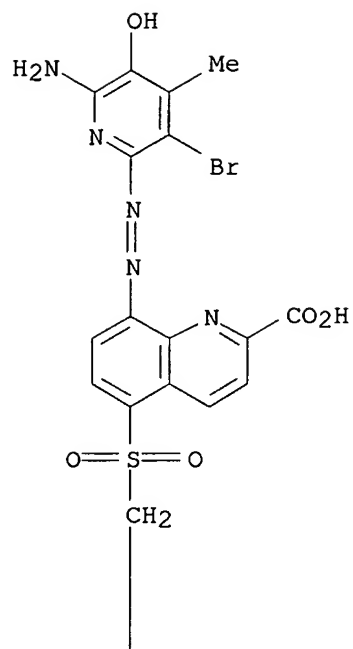
RN 88606-38-6 CAPLUS

CN 2-Quinolinecarboxylic acid, 8-[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-4-methyl-2-pyridinyl]azo]-5-(ethylsulfonyl)- (9CI) (CA INDEX NAME)

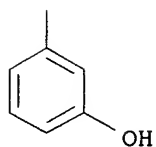
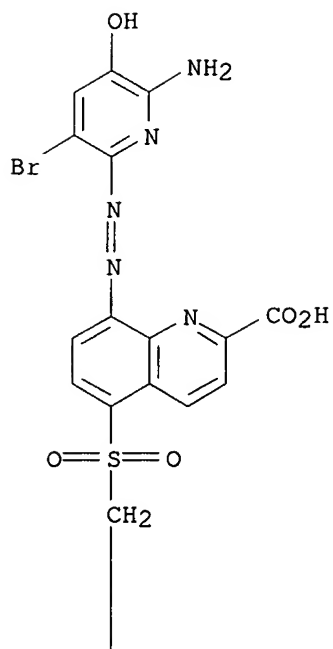


RN 88606-39-7 CAPLUS

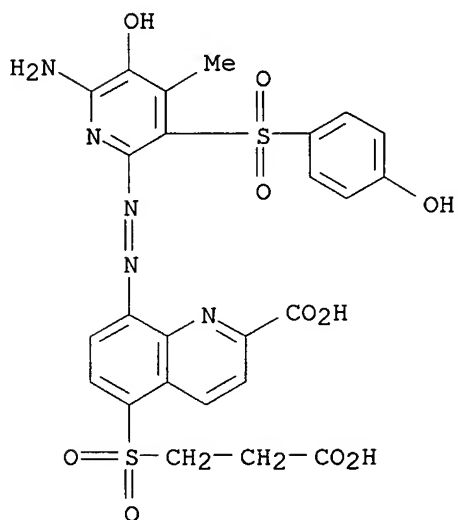
CN 2-Quinolinecarboxylic acid, 8-[(6-amino-3-bromo-5-hydroxy-4-methyl-2-pyridinyl)azo]-5-[[3-(3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 88606-40-0 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 8-[(6-amino-3-bromo-5-hydroxy-2-pyridinyl)azo]-  
 5-[[[(3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)

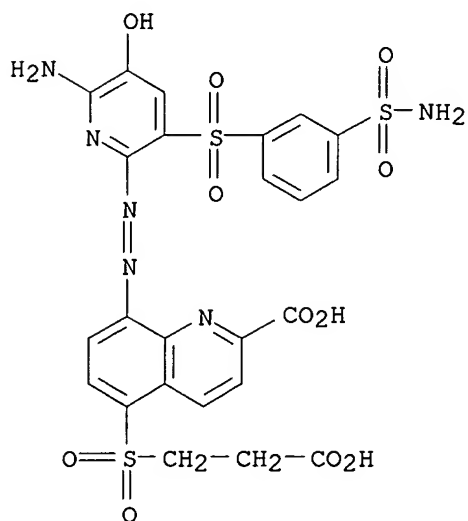


RN 88606-41-1 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-3-[(4-hydroxyphenyl)sulfonyl]-4-methyl-2-pyridinyl]azo]-5-[(2-carboxyethyl)sulfonyl]- (9CI) (CA INDEX NAME)



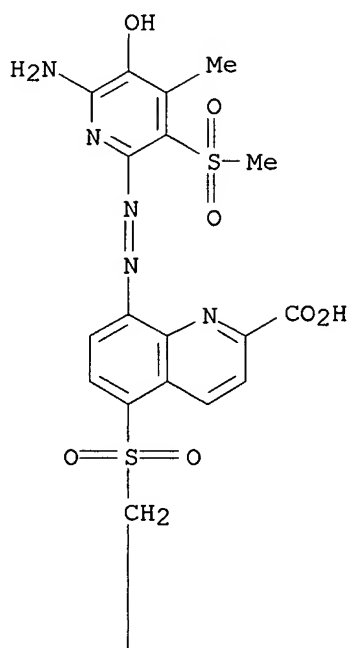
RN 88606-42-2 CAPLUS

CN 2-Quinolinecarboxylic acid, 8-[[6-amino-3-[[3-(aminosulfonyl)phenyl]sulfonyl]-5-hydroxy-2-pyridinyl]azo]-5-[(2-carboxyethyl)sulfonyl]- (9CI) (CA INDEX NAME)

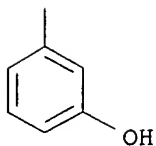


RN 88623-71-6 CAPLUS

CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-4-methyl-3-(methylsulfonyl)-2-pyridinyl]azo]-5-[[3-(3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)

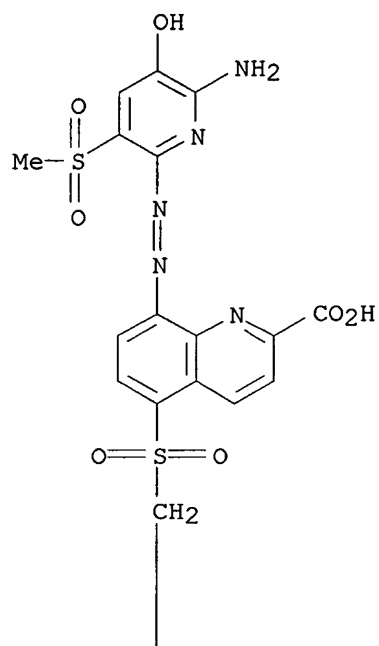


PAGE 2-A

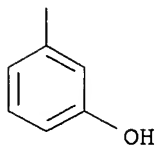


RN 88623-72-7 CAPLUS  
CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-3-(methylsulfonyl)-2-pyridinyl]azo]-5-[[ (3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

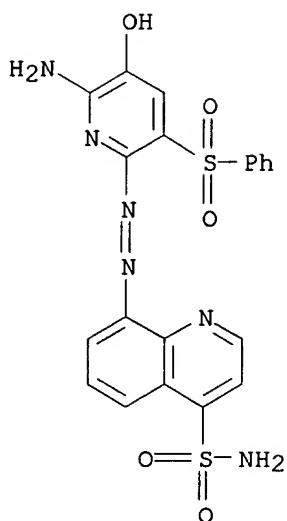


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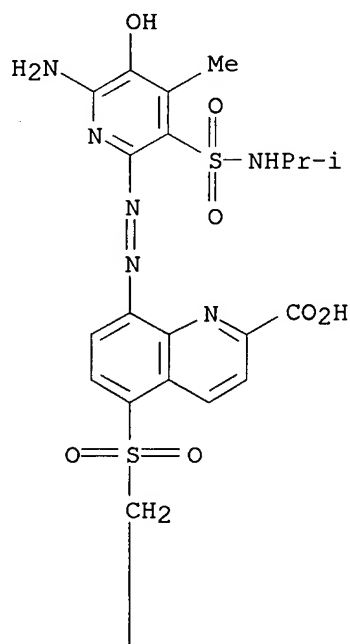
RN 89822-66-2 CAPLUS  
CN 4-Quinolinesulfonamide, 8-[[6-amino-5-hydroxy-3-(phenylsulfonyl)-2-pyridinyl]azo]- (9CI) (CA INDEX NAME)



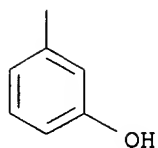


RN 89822-67-3 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-4-methyl-3-[[[(1-methylethyl)amino]sulfonyl]-2-pyridinyl]azo]-5-[[[(3-hydroxyphenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)

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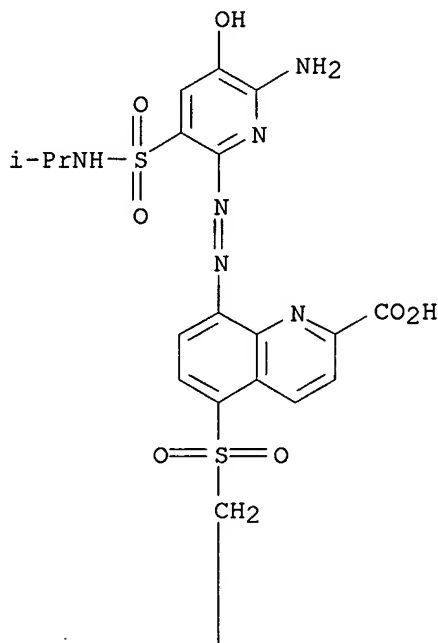


PAGE 2-A

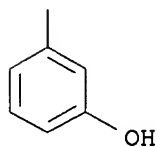


RN 89822-68-4 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 8-[[6-amino-5-hydroxy-3-[[[1-methylethyl)amino)sulfonyl]-2-pyridinyl]azo]-5-[[[3-hydroxyphenyl)methyl)sulfonyl]- (9CI) (CA INDEX NAME)

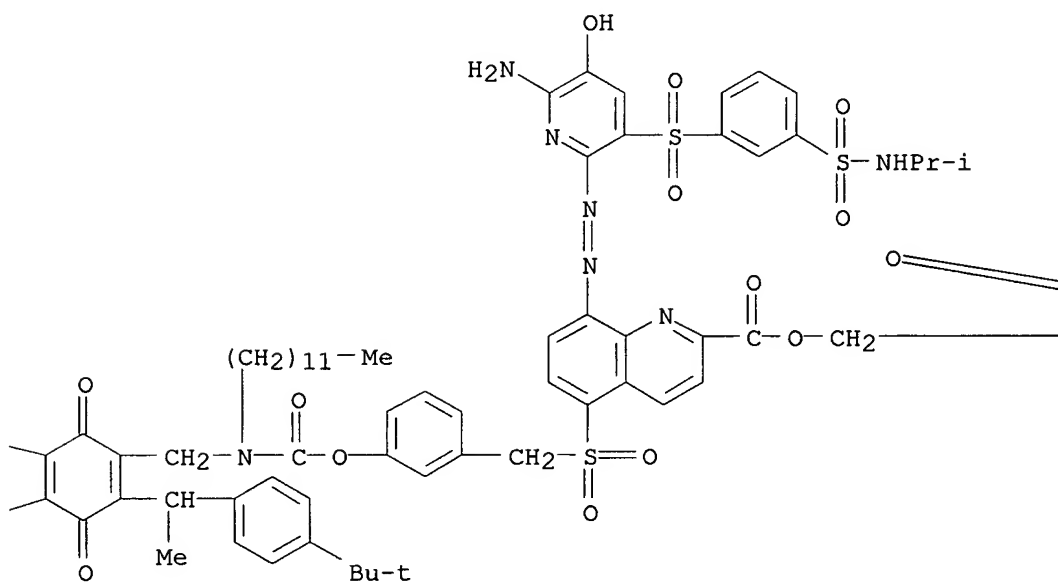
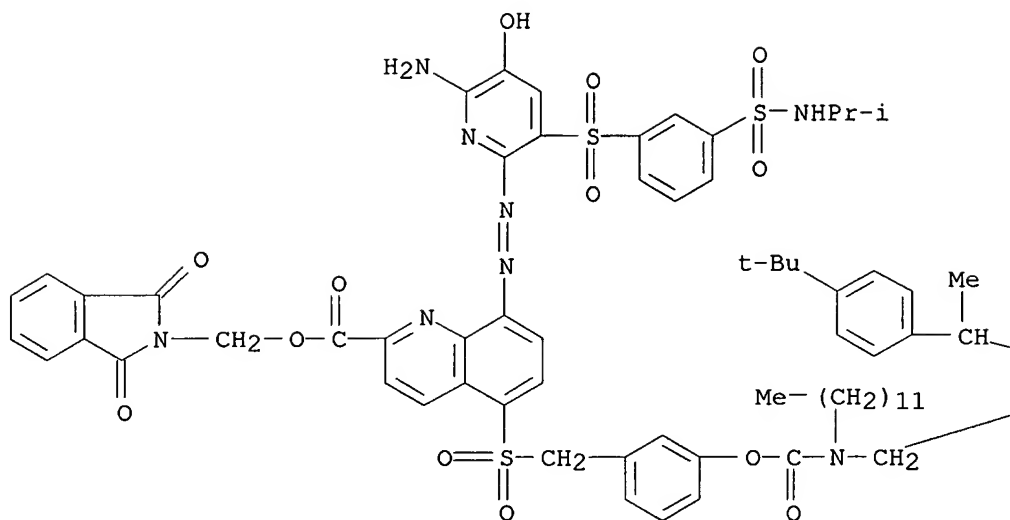
PAGE 1-A

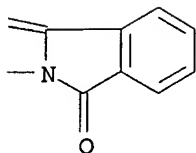


PAGE 2-A



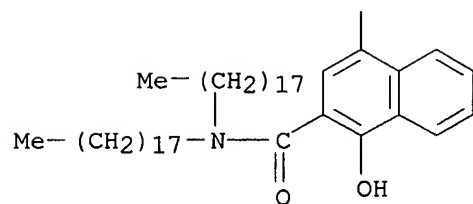
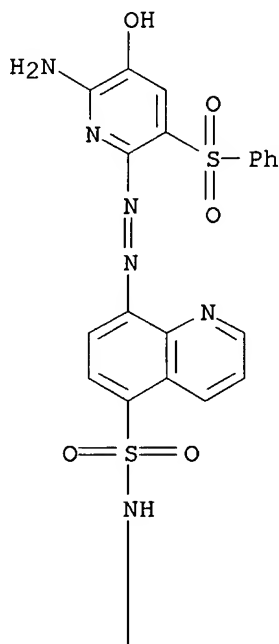
IT 88606-47-7 89822-72-0  
 RL: USES (Uses)  
 (photog. cyan dye-releasing redox compound)  
 RN 88606-47-7 CAPLUS  
 CN 2-Quinolinecarboxylic acid, 5,5'-[[2,5-bis[1-[4-(1,1-dimethylethyl)phenyl]ethyl]-3,6-dioxo-1,4-cyclohexadiene-1,4-diyl]bis[methylene(dodecylimino)carbonyloxy-3,1-phenylenemethylenesulfonyl]]bis[8-[[6-amino-5-hydroxy-3-[[[3-[[[1-methylethyl)amino)sulfonyl]phenyl)sulfonyl]-2-pyridinyl]azo]-, bis[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] ester (9CI) (CA INDEX NAME)





RN 89822-72-0 CAPLUS

CN 2-Naphthalenecarboxamide, 4-[[[8-[[6-amino-5-hydroxy-3-(phenylsulfonyl)-2-pyridinyl]azo]-5-quinolinyl]sulfonyl]amino]-1-hydroxy-N,N-dioctadecyl-  
(9CI) (CA INDEX NAME)

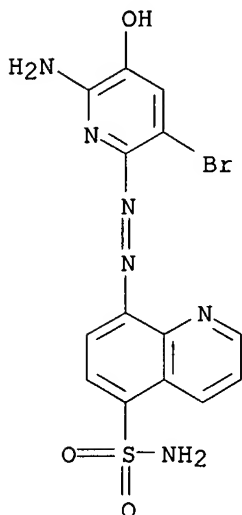


IT **88623-73-8P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and reaction of, with sodium benzenesulfinate)

RN 88623-73-8 CAPLUS

CN 5-Quinolinesulfonamide, 8-[(6-amino-3-bromo-5-hydroxy-2-pyridinyl)azo]-  
(9CI) (CA INDEX NAME)

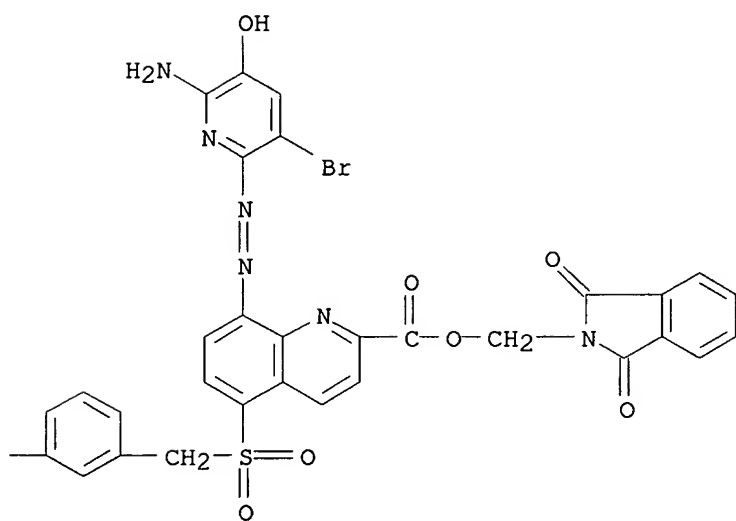
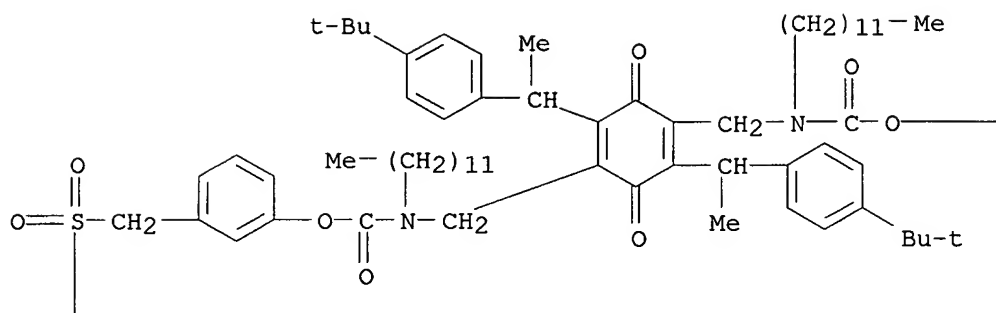


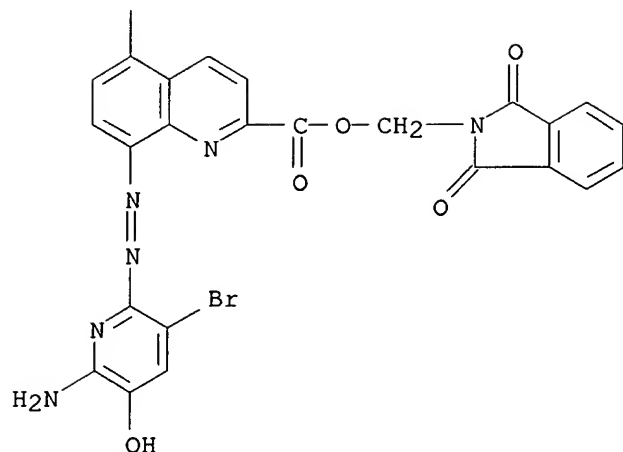
IT **88606-48-8P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and reaction of, with sodium isopropylsulfamoylbenzenesulfinate)

RN 88606-48-8 CAPLUS

CN 2-Quinolinecarboxylic acid, 5,5'-[[2,5-bis[1-[4-(1,1-dimethylethyl)phenyl]ethyl]-3,6-dioxo-1,4-cyclohexadiene-1,4-diyl]bis[methylene(dodecylimino)carbonyloxy-3,1-phenylenemethylenesulfonyl]]bis[8-[(6-amino-3-bromo-5-hydroxy-2-pyridinyl)azo]-, bis[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] ester  
(9CI) (CA INDEX NAME)



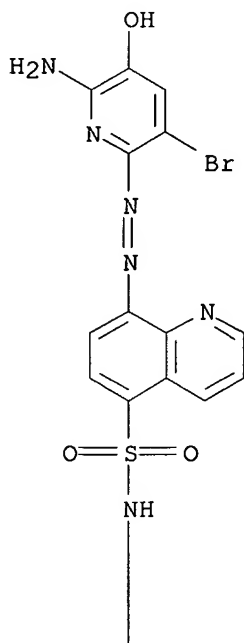
IT **88606-54-6P**

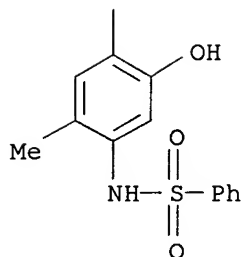
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, with sodium m-sulfamoylbenzenesulfinate)

RN 88606-54-6 CAPLUS

CN 5-Quinolinesulfonamide, 8-[(6-amino-3-bromo-5-hydroxy-2-pyridinyl)azo]-N-[2-hydroxy-5-methyl-4-[(phenylsulfonyl)amino]phenyl]- (9CI) (CA INDEX NAME)



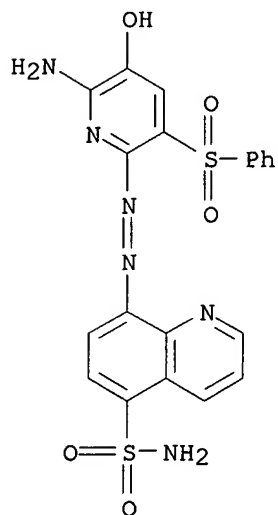


IT 88606-24-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 88606-24-0 CAPLUS

CN 5-Quinolinesulfonamide, 8-[[6-amino-5-hydroxy-3-(phenylsulfonyl)-2-pyridinyl]azo]- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
58.41	219.95

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-6.57	-6.57

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STN INTERNATIONAL LOGOFF AT 11:16:00 ON 09 NOV 2005



ACCESSION NUMBER: 2003:130618 CAPLUS

DOCUMENT NUMBER: 138:195893

TITLE: Fast drying images and methods for printing on inorganic porous media

INVENTOR(S): Deardurff, Larrie A.; Niu, Bor-Jiunn; Byers, Gary W.

PATENT ASSIGNEE(S): Hewlett-Packard Company, USA

SOURCE: Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1284200	A2	20030219	EP 2002-255273	20020729
EP 1284200	A3	20040317		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
US 2003064202	A1	20030403	US 2001-923672	20010806
US 6869646	B2	20050322		
JP 2003175665	A2	20030624	JP 2002-227705	20020805
US 2005202186	A1	20050915	US 2005-53336	20050207

PRIORITY APPLN. INFO.: US 2001-923672 A 20010806

AB The present method is drawn to the creation of fast-drying, photo-quality images on porous media substrates with ink-jet inks. The method comprises the steps of providing a inorg. porous media substrate, providing an aqueous ink-jet ink comprising an ink vehicle and an effective amount of a metalized dye having at least one heterocyclic nitrogen ring and an azo bond wherein the heterocyclic nitrogen is chelated or complexed to a transition metal, and jetting the aqueous ink-jet ink onto the inorg. porous media substrate.

IT 497925-41-4

RL: TEM (Technical or engineered material use); USES (Uses)  
(photo-quality images created with ink-jet inks comprising metalized azo dyes)

RN 497925-41-4 CAPLUS

CN Nickel, bis[6-[(2-chloro-5-hydroxy-4-phenyl-8-quinolinyl-κN)azo-κN1]-3-pyridinecarboxylato-κN1]-, conjugate diacid (9CI) (CA INDEX NAME)

